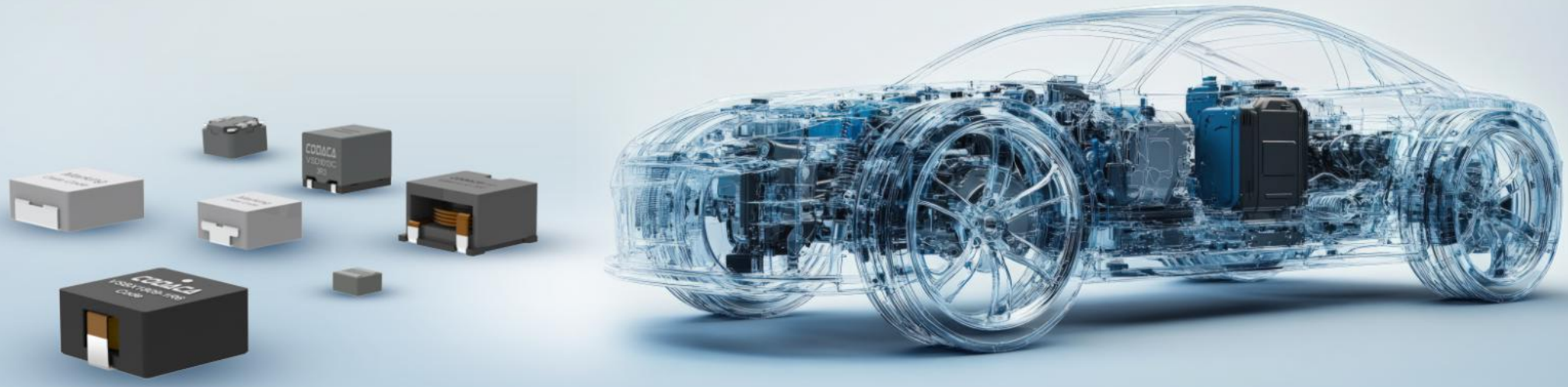
CODACA

Codaca Automotive Component



Company Overview

CODACA is a professional manufacturer of power inductor, common mode choke and other magnetic components which are used in a variety of automotive applications. CODACA provides a wide range of automotive grade magnetics solutions for car chargers, DC-DC converters, LED drivers, assisted driving systems (ADAS), infotainment, motor drives, T-BOX systems, etc.

Our products include high current power inductor, molding power choke, inductor for digital amplifier, common mode choke and customized power inductors made of round, flat wire or litz wire, rod core chokes with automotive grade. The products are 100% tailored to the requirements of our customers and the respective applications, including AEC-Q200 standard and PPAP requirement.

Automotive-grade products are manufactured in factories certified by IATF16949. CODACA has a CNAS-accredited laboratory. With high-quality inductor products and services, CODACA lays the foundation for the safe, environmentally friendly and intelligent development of a new generation of vehicles.

Automotive Component Applications

- AEC-Q200 qualification inductors
- IATF16949 quality system
- CNAS certificated laboratory

- Comfort Positioning
- Window Lifts
- Seat Positioning

- Vehicle Lighting
- HID
- LED

- Vehicle Networks
- CAN Flexray
- Ethernet
- LIN

- Instrumentation
- Infotainment
- ADAS

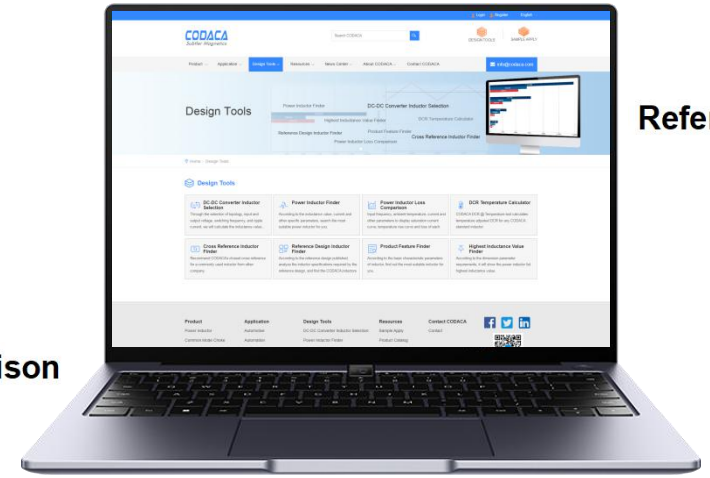
- Electrification of Powertrain
- Fuel Pumps
- Start Stop Module
- High Power DC/DC Convertor
- Battery Chargers

Company Advantage

- IATF16949
- PPAP available
- CNAS certificated laboratory, products meet AEC-Q200 standard
- Magnetic component manufacturer, 100% independent R&D and production
- Online design tool, which can realize fast and accurate inductor selection
- Core material developed by CODACA, which can provide flexible and efficient sample and mass production delivery
- CODACA has leading high current power inductor development and customization ability, advanced production capacity
- Professional FAE technical support, timely provide solutions

Design Tools

- DC-DC Converter Inductor Selection
- Power Inductor Finder
- Power Inductor Loss Comparison
- DCR-Temperature Calculator



- Cross Reference Inductor Finder
- Reference Design Inductor Finder
- Product Feature Finder
- Highest Inductance Value Finder

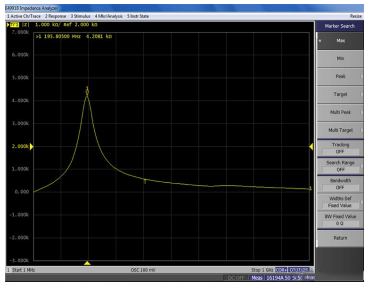
Laboratory with AEC-Q200 Standard

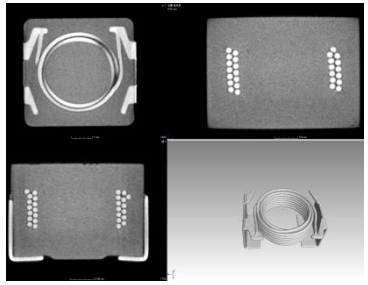
Measurement Lab

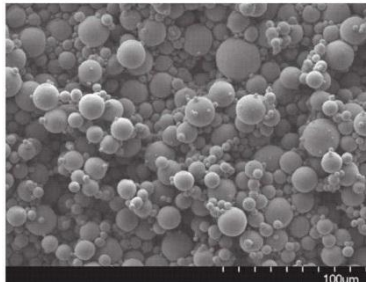
- High Frequency Impedance Analyzer
- High Frequency LCR Tester
- Precision Micro Resistance Meter
- Programmable Constant Current Source
- Withstand Voltage Tester

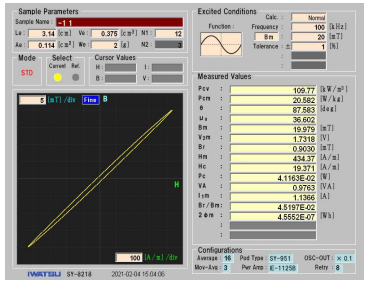
Environmental Lab

- Constant Temp & Hum Test Chamber
- Thermal Shock Test Chamber
- Double-layer Temperature Test Chamber
- High and Low Temperature Test Chamber
- Steam Aging Tester
- Salt Spray Tester









Analytical Lab

- X-Ray Inspection System
- Scanning Electron Microscope
- XRF Spectrograph
- BH Analyzer
- Particle Size Analyzer
- Cross Sectioning and Polishing Tester
- Electric Vibration System
- Mechanical Shock Tester
- Universal Testing Machine
- Drop Tester
- Wetting Balance
- Reflow Oven
- Wave Soldering Machine

REACH COMPLIANT | RoHS COMPLIANT | Halogen Free | AEC-Q200 -55~+165°C

Product Overview

Vehicle-Grade High Current Power Inductor

 VSBX1050	L: 0.72~10.0μH DCR: 1.23~20.2mΩ Isat: 11.0~40.0A Irms: 6.20~23.0A
 VPRX2520LP	L: 1.20~8.20μH DCR: 0.25~1.35mΩ Isat: 56.0~157A Irms: 48.0~100A
 VSBX1265	L: 1.30~28.0μH DCR: 1.10~22.5mΩ Isat: .8.50~40.0A Irms: 6.90~30.0A
 VPRX2520SP	L: 1.30~6.80μH DCR: 0.40~1.70mΩ Isat: 85.0~201A Irms: 37.0~84.0A
 VSBX1809	L: 1.60~16.0μH DCR: 1.00~7.80mΩ Isat: 19.0~62.0A Irms: 14.0~36.0A
 VSRU27	L: 1.00~15.0μH DCR: 0.46~1.96mΩ Isat: 23.0~100A Irms: 33.1~54.0A

Vehicle-Grade Inductor for Digital Amplifier

 VSD0808BH	L: 3.30~10.0μH DCR: 10.8~20.5mΩ Isat: 4.00~10.2A Irms: 5.00~6.20A
 VSAD0880	L: 1.50~33.0μH DCR: 6.90~143mΩ Isat: 4.20~25.0A Irms: 2.80~13.0A
 VSD0910C	L: 3.30~10.0μH DCR: 7.70~24.5mΩ Isat: 6.10~10.6A Irms: 4.70~8.50A
 VSAD1010	L: 3.30~47.0μH DCR: 10.2~128mΩ Isat: 4.50~16.0A Irms: 3.20~11.0A
 VSD1013C	L: 3.30~10.0μH DCR: 5.70~15.5mΩ Isat: 8.50~15.2A Irms: 5.80~11.3 A
 VPD1715F	L: 7.00~33.0μH DCR: 6.00~7.30mΩ Isat: 9.40~30.8A Irms: 17.0~19.0A
 VSAD0660	L: 3.30~22.0μH DCR: 17.9~112mΩ Isat: 4.30~12.5A Irms: 2.40~7.80A

Product Overview

Vehicle-Grade Molding Power Choke

 VSAB0530	L: 0.68~15.0μH DCR: 8.50~168mΩ Isat: 2.20~9.00A Irms: 2.20~11.5A	 VSAB1040	L: 1.00~68.0μH DCR: 2.70~215mΩ Isat: 2.40~19.0A Irms: 2.40~23.0A	 VSHB0421	L: 0.33~10.0μH DCR: 5.80~120mΩ Isat: 2.60~13.6A Irms: 2.50~10.9A	 VSHB1054T	L: 1.00~100μH DCR: 2.30~190mΩ Isat: 3.30~28.5A Irms: 3.00~30.0A
 VSAB0630	L: 0.47~22.0μH DCR: 3.80~163mΩ Isat: 2.40~16.5A Irms: 2.50~16.0A	 VSAB1054	L: 3.30~47.0μH DCR: 7.50~95.0mΩ Isat: 4.00~15.8A Irms: 4.20~14.3A	 VSHB0540	L: 1.00~22.0μH DCR: 10.4~156mΩ Isat: 3.00~11.5A Irms: 2.40~7.20A	 VSHB1060T	L: 8.20~82.0μH DCR: 13.5~117mΩ Isat: 4.00~13.2A Irms: 3.30~11.5A
 VSAB0640	L: 6.80~47.0μH DCR: 38.0~230mΩ Isat: 1.70~5.50A Irms: 1.60~8.80A	 VSAB1360	L: 1.00~47.0μH DCR: 1.70~72.0mΩ Isat: 3.90~24.0A Irms: 4.20~29.0A	 VSHB0645	L: 1.00~68.0μH DCR: 4.90~285mΩ Isat: 2.40~14.5A Irms: 1.80~14.0A		
 VSAB0650	L: 3.30~56.0μH DCR: 16.0~235mΩ Isat: 1.60~9.00A Irms: 1.60~8.80A	 VSAB1770	L: 2.20~82.0μH DCR: 2.20~90.0mΩ Isat: 4.70~35.0A Irms: 4.70~34.0A	 VSHB0754T	L: 1.50~100μH DCR: 6.90~280mΩ Isat: 2.40~16.5A Irms: 1.90~11.6A		

Product Overview

Vehicle-Grade Molding Power Choke

 VSEB0430H	L: 0.47~3.30μH DCR: 4.40~22.5mΩ Isat: 5.60~14.0A Irms: 7.10~16.0A	 VSEB0850H	L: 6.80~22.0μH DCR: 15.5~55.0mΩ Isat: 6.20~9.70A Irms: 5.80~12.0A	 VSEB0770	L: 0.80~6.80μH DCR: 2.10~17.0mΩ Isat: 12.8~37.8A Irms: 9.20~25.8A	 VSEB1060	L: 0.18~4.70μH DCR: 0.50~8.90mΩ Isat: 25.0~120A Irms: 14.0~46.0A
 VSEB0530H	L: 0.56~4.70μH DCR: 4.20~25.8mΩ Isat: 6.20~16.1A Irms: 7.90~17.7A	 VSEB0630	L: 0.18~6.80μH DCR: 1.32~31.0mΩ Isat: 8.00~39.0A Irms: 6.50~32.0A	 VSEB0850	L: 1.00~22.0μH DCR: 3.30~54.8mΩ Isat: 7.00~41.0A Irms: 7.00~29.5A	 VSEB1090	L: 1.00~33.0μH DCR: 1.38~36.2mΩ Isat: 10.5~40.0A Irms: 9.00~33.5A
 VSEB0630H	L: 1.20~4.70μH DCR: 5.80~19.5mΩ Isat: 6.70~16.6A Irms: 7.90~16.5A	 VSEB0660	L: 2.20~15.0μH DCR: 5.95~42.0mΩ Isat: 6.00~16.0A Irms: 5.50~16.0A	 VSEB0880	L: 0.68~22.0μH DCR: 1.56~30.0mΩ Isat: 7.50~38.0A Irms: 7.00~37.0A	 VSEB1350	L: 0.63~3.00μH DCR: 1.34~5.20mΩ Isat: 37.5~74.5A Irms: 21.0~37.0A
 VSEB0730H	L: 1.20~5.60μH DCR: 3.80~22.1mΩ Isat: 7.30~18.2A Irms: 8.10~18.5A	 VSEB0730	L: 0.80~6.80μH DCR: 2.10~17.0mΩ Isat: 12.8~37.8A Irms: 9.20~25.8A	 VSEB1030	L: 0.16~2.20μH DCR: 1.10~9.90mΩ Isat: 25.0~88.0A Irms: 15.0~42.0A	 VSEB1508	L: 1.00~6.10μH DCR: 0.88~5.10mΩ Isat: 31.0~73.5A Irms: 22.6~57.5A

Product Overview

Vehicle-Grade Molding Power Choke

 VSEB1510	L: 1.00~33.0μH DCR: 0.92~18.0mΩ Isat: 16.7~80.0A Irms: 12.0~58.0A
 VPAB3822	L: 0.82~3.30μH DCR: 0.16~0.395mΩ Isat: 176~335A Irms: 105~142A

Vehicle-Grade SMD Power Inductor

 VCRHS0704	L: 1.20~1,000μH DCR: 12.8~4,400mΩ Isat: 0.35~10.2A Irms: 0.27~5.20A
 VCRHS0705	L: 4.70~2,200μH DCR: 20.3~6,589mΩ Isat: 0.25~5.60A Irms: 0.20~3.80A
 VCRHS1208	L : 1.10μH DCR: 4.30~2,600mΩ Isat: 0.73~33.0A Irms: 0.47~12.0A
 VCRHS1210	L: 4.70~1,000μH DCR: 8.70~910mΩ Isat: 1.15~17.0A Irms: 0.86~8.80A

Vehicle-Grade Rod Inductor

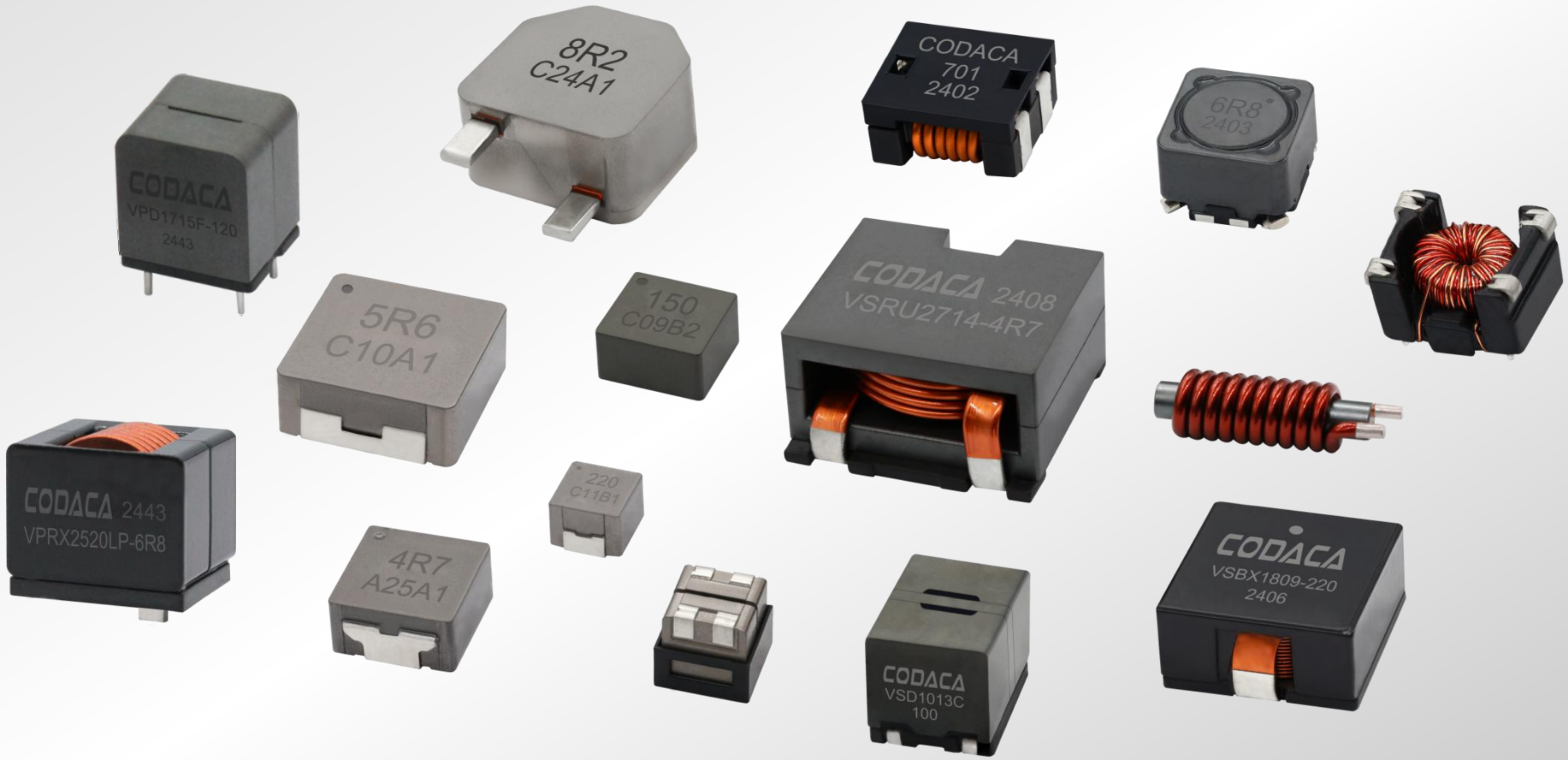
 VRKL0740	L: 3.30μH DCR: 1.11mΩ Isat: 31.0A Irms: 30.0A
 VRKL0825A	L: 1.80μH DCR: 1.02mΩ Isat: 33.0A Irms: 34.0A

Product Overview

Vehicle-Grade Common Mode Choke

 VSTP0740	L: 0.20~5.00~μH DCR: 9.50~19.5mΩ RC: 3.60~5.20A RV: 80.0A	 VCRHC0704	L: 2.20~47.0μH DCR: 32.0~390mΩ Isat: 1.65~7.80A Irms: 1.25~4.70A
 VSTP0950	L: 1.00~9.80μH DCR: 6.00~26.0mΩ RC: 2.50~6.00A RV: 80.0A	 VCRHC0705	L: 4.70~47.0μH DCR: 40.5~300mΩ Isat: 1.75~5.60A Irms: 1.33~3.80A
 VSTP1260	L: 2.20~18.0μH DCR: 2.70~17.5mΩ RC: 4.00~10.0A RV: 80.0A	 VCRHC1208	L: 4.70~68.0μH DCR: 22.0~175mΩ Isat: 4.20~16.0A Irms: 2.70~8.00A
 VSTCB1060R	L: 2,000~5,000μH DCR: 290~680mΩ RC: 0.35~0.75A RV: 80.0A	 VCRHC1210	L: 4.70~68.0μH DCR: 17.4~143mΩ Isat: 4.50~17.0A Irms: 3.10~8.80A

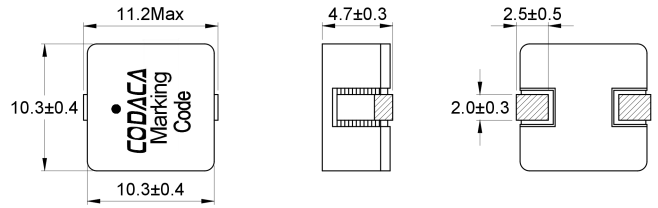
Product Overview



VSBX1050 Series

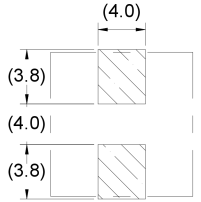
- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- Flat wire winding, achieve a low DC resistance.
- Low loss, high efficiency, wide application frequency and application scope.
- Lightweight design, save space, suitable for high density SMT.
- AEC-Q200 Compliant Products.
- Operating temperature: -55℃ ~ +155℃(Including coil's temperature rise).

Appearance and Dimensions (mm)

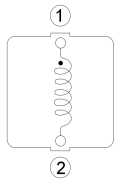


Marking

Reference Land Pattern (mm)



Schematic

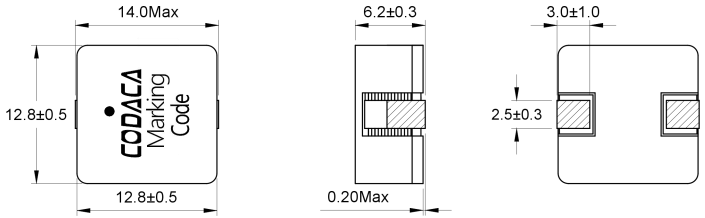


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSBX1050-R72M	0.72	1.23	1.50	40.0	23.0
VSBX1050-1R2M	1.20	1.95	2.35	33.0	19.0
VSBX1050-1R8M	1.80	2.83	3.40	27.0	17.0
VSBX1050-2R4M	2.40	4.00	4.80	23.0	14.5
VSBX1050-3R3M	3.30	5.60	6.70	20.0	11.7
VSBX1050-4R2M	4.20	7.05	8.50	17.5	11.0
VSBX1050-5R2M	5.20	8.33	10.0	16.0	10.0
VSBX1050-6R3M	6.30	10.6	12.7	14.0	9.00
VSBX1050-7R5M	7.50	13.0	15.6	13.0	8.00
VSBX1050-8R9M	8.90	15.5	18.6	12.0	7.10
VSBX1050-100M	10.0	20.2	24.2	11.0	6.20

VSBX1265 Series

- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- Flat wire winding, achieve a low DC resistance.
- Low loss, high efficiency, wide application frequency and application scope.
- Lightweight design, save space, suitable for high density SMT.
- AEC-Q200 Compliant Products.
- Operating temperature: -55℃ ~ +155℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



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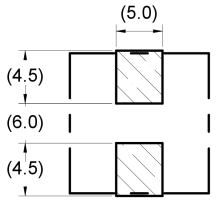
Reference Land Pattern (mm)



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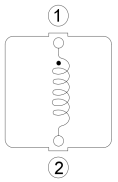
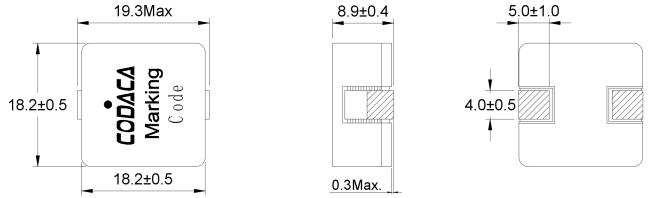


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSBX1265-1R3M	1.30	1.10	1.32	40.0	30.0
VSBX1265-2R0M	2.00	1.65	1.98	31.0	26.0
VSBX1265-3R1M	3.10	2.45	2.94	26.0	22.0
VSBX1265-4R3M	4.30	3.45	4.14	22.0	18.0
VSBX1265-5R6M	5.60	4.40	5.28	19.0	16.0
VSBX1265-7R3M	7.30	5.75	6.90	17.0	14.0
VSBX1265-9R2M	9.20	7.20	8.64	15.0	12.3
VSBX1265-110M	11.3	8.65	10.38	13.5	11.0
VSBX1265-130M	13.0	10.80	12.96	12.2	10.0
VSBX1265-150M	15.4	12.25	14.70	11.1	9.10
VSBX1265-180M	18.0	16.10	19.32	10.5	8.30
VSBX1265-220M	22.0	17.55	21.06	9.80	7.70
VSBX1265-280M	28.0	22.50	27.00	8.50	6.90

VSBX1809 Series

- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- Flat wire winding, achieve a low DC resistance.
- Low loss, high efficiency, wide application frequency and application scope.
- Lightweight design, save space, suitable for high density SMT.
- AEC-Q200 Compliant Products.
- Operating temperature: -55℃ ~ +155℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



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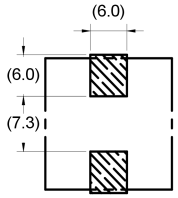
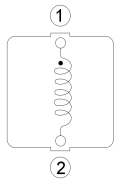
Reference Land Pattern (mm)



Schematic

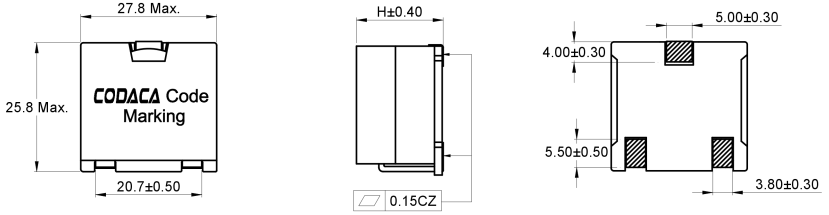


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSBX1809-1R6M	1.60	1.00	1.20	62.0	36.0
VSBX1809-2R4M	2.40	1.20	1.44	53.0	34.0
VSBX1809-3R3M	3.30	1.60	1.92	45.0	30.0
VSBX1809-4R5M	4.50	2.10	2.55	38.0	26.0
VSBX1809-5R6M	5.60	2.80	3.30	34.0	23.0
VSBX1809-6R8M	6.80	3.40	4.10	31.0	21.0
VSBX1809-8R5M	8.50	4.30	5.16	28.0	19.0
VSBX1809-100M	10.0	5.45	6.50	26.0	17.0
VSBX1809-120M	12.0	5.85	7.00	23.0	16.0
VSBX1809-160M	16.0	7.80	9.40	19.0	14.0

VSRU27 Series

- 3 pins structure design, improved reliability.
- Symmetrical air gap, improve saturation current capability.
- Flat wire winding, achieve a low DC resistance.
- AEC-Q200 qualified.
- Operating temperature: -55℃~+150℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



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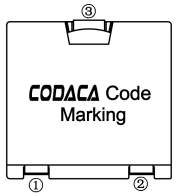
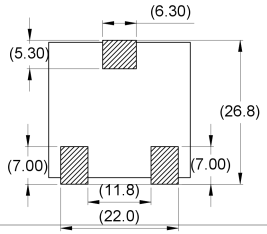
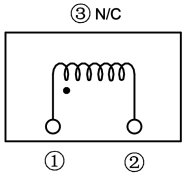


Reference Land Pattern (mm)



Schematic

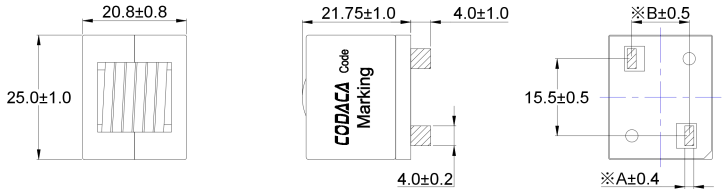


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	High
	±10%	Typ.	Max.	Typ.(25℃)	Max.(100℃)	Typ.	±0.4
VSRU2711-1R0K	1.00	0.46	0.56	100.0	88.3	54.0	11.9
VSRU2711-1R5K	1.50	0.46	0.56	67.0	57.7	54.0	11.9
VSRU2713-2R2K	2.20	0.68	0.82	71.1	60.9	47.3	13.5
VSRU2714-3R3K	3.30	0.88	1.06	64.7	56.1	42.5	14.9
VSRU2714-4R7K	4.70	1.39	1.67	56.4	51.6	37.2	14.6
VSRU2715-6R8K	6.80	1.66	1.99	44.1	37.6	35.0	15.8
VSRU2716-100K	10.0	1.92	2.30	34.9	30.1	33.1	16.9
VSRU2716-150K	15.0	1.92	2.30	23.0	20.0	33.1	16.9

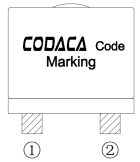
VPRX2520LP Series

- Excellent DC bias capability to handle instantaneous peak current.
- Flat wire winding, achieving very low DC resistance.
- The inductance value and dc bias characteristic are little affected by temperature.
- Magnetically shielded structure, excellent resistance to electromagnetic interference.
- Compact design saves PCB mounting area.
- Operating temperature: -55℃～+155℃(including coil's temperature rise)

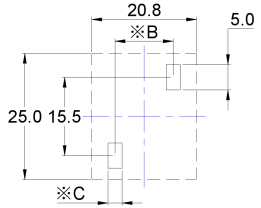
Appearance and Dimensions (mm)



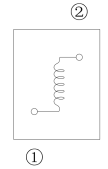
Marking



Reference Hole Pattern (mm)



Schematic

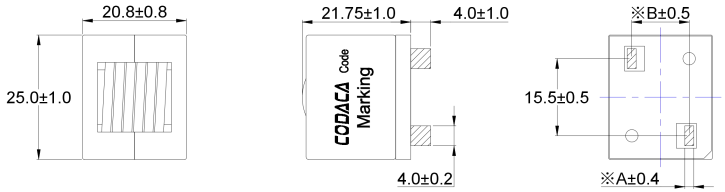


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VPRX2520LP-1R2MC	1.20	0.25	0.30	157	205	100
VPRX2520LP-2R2MC	2.20	0.40	0.48	132	168	85.0
VPRX2520LP-3R3MC	3.30	0.63	0.70	90.0	116	70.0
VPRX2520LP-4R7MC	4.70	0.86	0.95	78.0	100	62.0
VPRX2520LP-6R8MC	6.80	1.00	1.15	64.0	83.0	55.0
VPRX2520LP-8R2MC	8.20	1.35	1.50	56.0	71.0	48.0

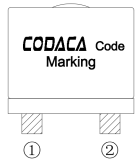
VPRX2520SP Series

- Excellent DC bias capability to handle instantaneous peak current.
- Flat wire winding, achieving very low DC resistance.
- The inductance value and dc bias characteristic are little affected by temperature.
- Magnetically shielded structure, excellent resistance to electromagnetic interference.
- Compact design saves PCB mounting area.
- Operating temperature: -55℃～+155℃(including coil's temperature rise)

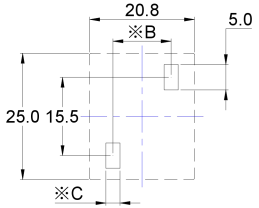
Appearance and Dimensions (mm)



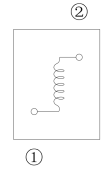
Marking



Reference Hole Pattern (mm)



Schematic

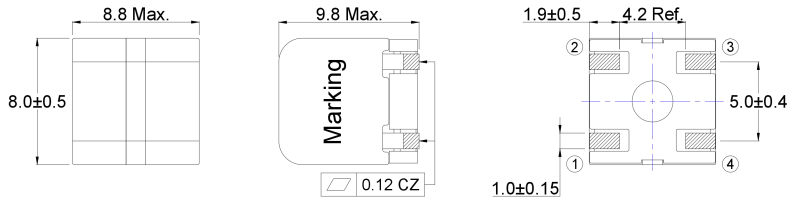


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.	Typ.
VPRX2520SP-1R3MC	1.30	0.40	0.48	201	259	84.0
VPRX2520SP-2R2MC	2.20	0.63	0.70	158	204	63.0
VPRX2520SP-3R0MC	3.00	0.86	0.95	131	169	57.0
VPRX2520SP-4R3MC	4.30	1.00	1.15	110	142	51.0
VPRX2520SP-5R6MC	5.60	1.35	1.50	97.0	125	45.0
VPRX2520SP-6R8MC	6.80	1.70	2.00	85.0	110	37.0

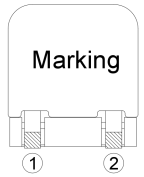
VSD0808BH Series

- Space reduction is realized by 2 in 1 construction.
- The optimal design realizes high quality sound and low distortion.
- Compact size using flat wire.
- Product designed for 2MHz drive frequency.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).

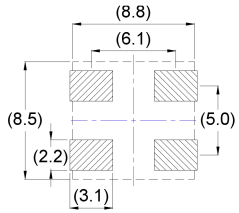
Appearance and Dimensions (mm)



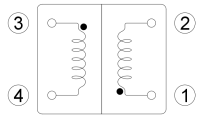
Marking



Reference Land Pattern (mm)



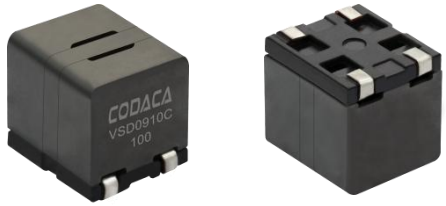
Schematic



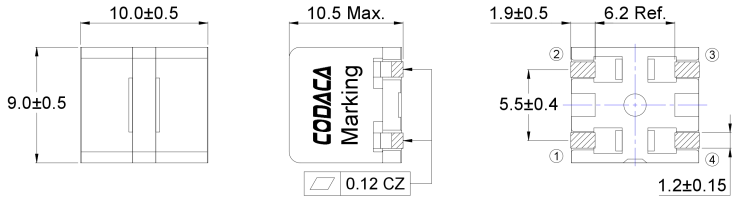
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSD0808BH-3R3L	3.30	10.8	13.0	10.2	6.20
VSD0808BH-100L	10.0	20.5	24.6	4.00	5.00

VSD0910C Series

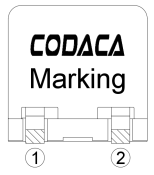
- Space reduction is realized by 2 in 1 construction.
- The optimal design realizes high quality sound and low distortion.
- Compact size using flat wire.
- Product designed for 2MHz drive frequency.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).



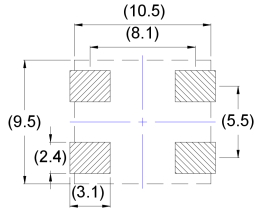
Appearance and Dimensions (mm)



Marking



Reference Land Pattern (mm)



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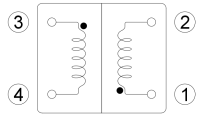
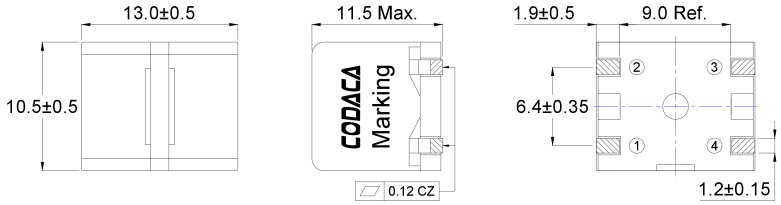


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSD0910C-3R3L	3.30	7.70	9.20	10.6	10.6
VSD0910C-100L	10.0	24.5	28.2	6.10	5.00

VSD1013C Series

- Space reduction is realized by 2 in 1 construction.
- The optimal design realizes high quality sound and low distortion.
- Compact size using flat wire.
- Product designed for 2MHz drive frequency.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



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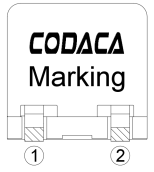
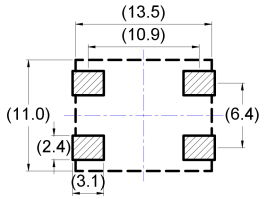
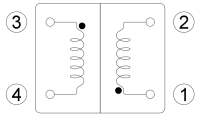


Reference Land Pattern (mm)



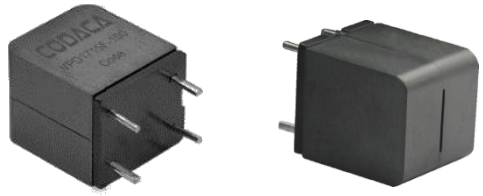
Schematic



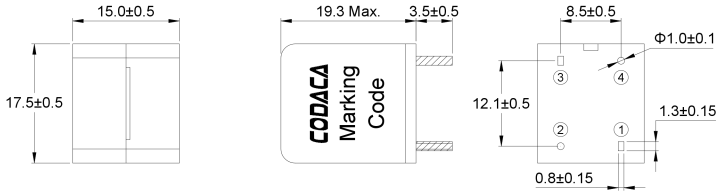
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSD1013C-3R3L	3.30	5.70	6.80	15.2	15.2
VSD1013C-100L	10.0	15.5	18.6	8.50	5.80

VPD1715F Series

- High inductance, high current, low magnetic loss, low ESR, small parasitic capacitance.
- High temperature wire, closed magnetic circuit, ultra low buzz noise.
- Improving sound quality by using Oxygen Free Copper(OFC)wire.
- Operating temperature: -55℃～+150℃(Including coil's temperature rise)

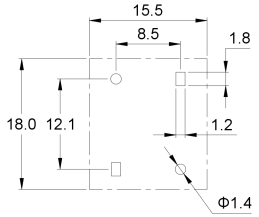


Appearance and Dimensions (mm)



Marking

Reference Hole Pattern (mm)



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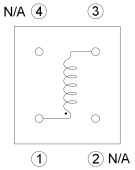
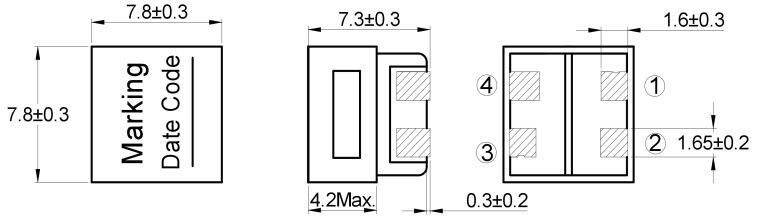


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VPD1715F-7R0M	7.00	6.00	7.20	30.8	19.0
VPD1715F-100M	10.0	7.30	8.80	29.0	17.0
VPD1715F-120M	12.0	7.30	8.80	25.1	17.0
VPD1715F-150M	15.0	7.30	8.80	20.0	17.0
VPD1715F-180M	18.0	7.30	8.80	17.5	17.0
VPD1715F-220M	22.0	7.30	8.80	14.2	17.0
VPD1715F-330M	33.0	7.30	8.80	9.40	17.0

VSAD0660 Series

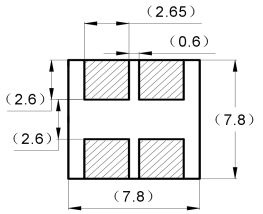
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- Two inductors in one package.
- Optimal design realizes high quality sound and low distortion.
- Low coupling for minimal cross-talk between inductors.
- Handles high transient current spikes without saturation.
- Operating temperature: -55℃ ～ +155℃ (Including coil's temperature rise).

Appearance and Dimensions (mm)

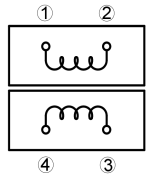


Marking

Reference Land Pattern (mm)



Schematic

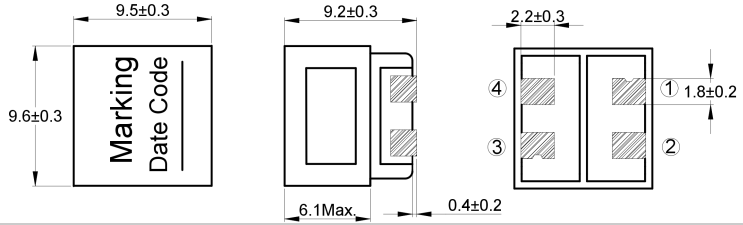


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSAD0660-3R3M	3.30	17.9	19.0	12.5	7.80
VSAD0660-4R7M	4.70	23.0	27.5	12.0	5.50
VSAD0660-5R6M	5.60	30.0	36.0	9.50	5.00
VSAD0660-6R8M	6.80	36.0	43.0	8.80	4.50
VSAD0660-8R2M	8.20	38.5	46.0	7.50	4.00
VSAD0660-100M	10.0	47.0	55.0	6.50	3.50
VSAD0660-150M	15.0	87.0	95.0	5.50	3.00
VSAD0660-220M	22.0	112	134	4.30	2.40

VSAD0880 Series

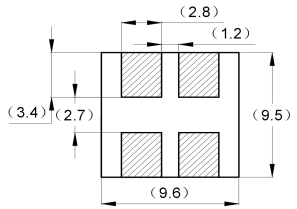
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- Two inductors in one package.
- Optimal design realizes high quality sound and low distortion.
- Low coupling for minimal cross-talk between inductors.
- Handles high transient current spikes without saturation.
- Operating temperature: -55℃ ～ +155℃ (Including coil's temperature rise).

Appearance and Dimensions (mm)

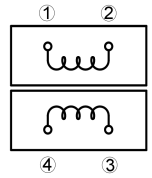


Marking

Reference Land Pattern (mm)



Schematic

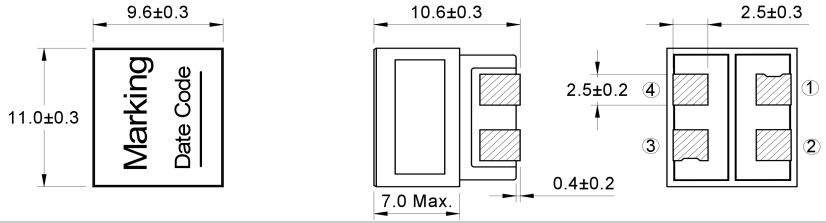


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSAD0880-1R5M	1.50	6.90	8.20	25.0	13.0
VSAD0880-2R2M	2.20	7.90	9.50	17.5	12.0
VSAD0880-3R3M	3.30	14.2	17.0	17.0	10.5
VSAD0880-4R7M	4.70	19.0	22.0	14.0	9.00
VSAD0880-5R6M	5.60	21.2	25.0	10.5	7.50
VSAD0880-6R8M	6.80	23.1	27.5	9.70	7.00
VSAD0880-8R2M	8.20	30.0	35.0	8.50	5.80
VSAD0880-100M	10.0	34.3	40.0	8.00	5.30
VSAD0880-150M	15.0	61.0	67.0	6.60	4.50
VSAD0880-220M	22.0	89.2	98.0	5.00	3.50
VSAD0880-330M	33.0	143	157	4.20	2.80

VSAD1010 Series

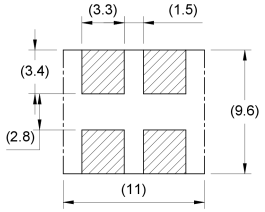
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- Two inductors in one package.
- Optimal design realizes high quality sound and low distortion.
- Low coupling for minimal cross-talk between inductors.
- Handles high transient current spikes without saturation.
- Operating temperature: -55℃ ～ +155℃ (Including coil's temperature rise).

Appearance and Dimensions (mm)

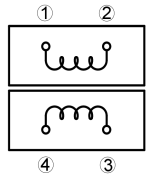


Marking

Reference Land Pattern (mm)



Schematic

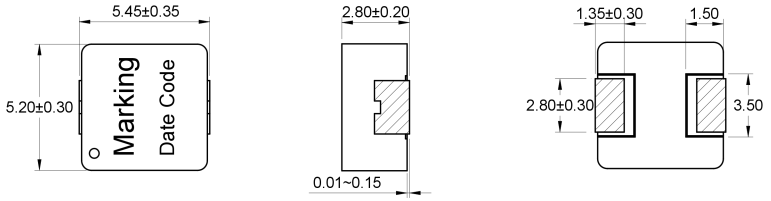


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSAD1010-3R3M	3.30	10.2	12.5	16.0	11.0
VSAD1010-100M	10.0	25.0	28.0	9.50	7.60
VSAD1010-150M	15.0	37.0	40.0	8.00	6.00
VSAD1010-220M	22.0	58.0	62.0	6.00	4.90
VSAD1010-330M	33.0	87.0	93.0	5.00	4.00
VSAD1010-470M	47.0	128	136	4.50	3.20

VSAB0530 Series

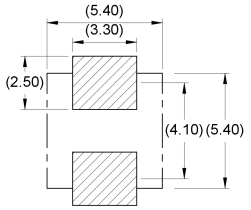
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

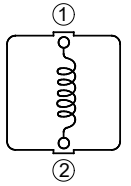


Marking

Reference Land Pattern (mm)



Schematic

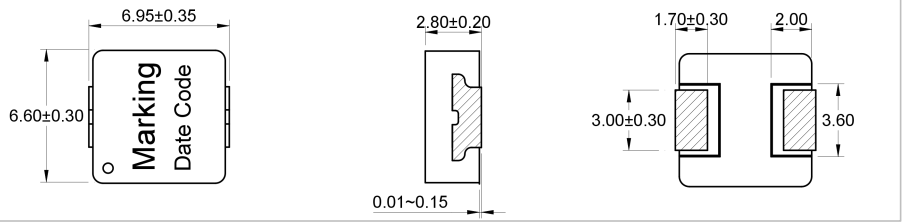


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB0530-R68M	0.68	8.50	9.60	9.00	7.50	11.5	10.5
VSAB0530-R82M	0.82	8.80	9.80	8.50	7.00	11.0	10.0
VSAB0530-1R0M	1.00	10.0	11.5	8.00	6.50	10.5	9.50
VSAB0530-1R5M	1.50	15.0	17.5	6.40	5.50	8.20	7.40
VSAB0530-2R2M	2.20	20.0	23.0	6.00	5.00	7.00	6.30
VSAB0530-3R3M	3.30	33.0	38.0	5.30	4.50	5.50	5.00
VSAB0530-4R7M	4.70	54.0	63.0	4.40	3.90	4.40	3.90
VSAB0530-5R6M	5.60	67.0	73.0	3.80	3.50	3.80	3.50
VSAB0530-6R8M	6.80	79.0	90.0	3.60	3.10	3.60	3.30
VSAB0530-8R2M	8.20	100	116	3.00	2.80	3.00	2.70
VSAB0530-100M	10.0	110	128	2.70	2.30	2.60	2.40
VSAB0530-150M	15.0	168	194	2.20	1.90	2.20	2.00

VSAB0630 Series

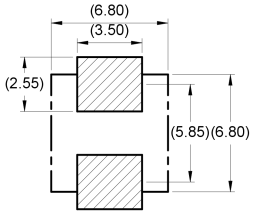
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

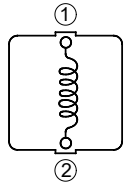


Marking

Reference Land Pattern (mm)



Schematic

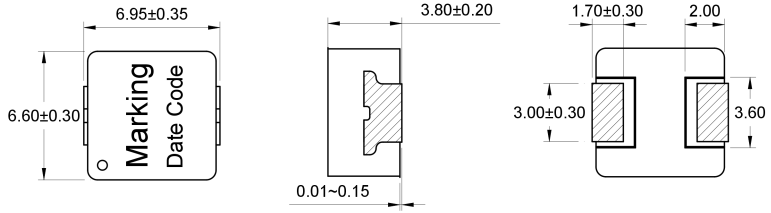


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB0630-R47M	0.47	3.80	4.50	16.5	14.5	16.0	14.0
VSAB0630-R56M	0.56	4.20	4.80	14.5	13.0	15.5	13.5
VSAB0630-R68M	0.68	4.70	5.50	13.5	11.8	15.0	13.0
VSAB0630-1R0M	1.00	6.30	7.60	12.5	11.0	13.5	12.0
VSAB0630-1R5M	1.50	10.3	12.4	10.0	9.00	11.0	10.0
VSAB0630-2R2M	2.20	15.0	16.5	8.00	7.00	9.50	8.50
VSAB0630-3R3M	3.30	21.0	25.0	7.60	6.50	7.60	6.80
VSAB0630-4R7M	4.70	27.0	33.0	6.00	5.00	6.80	6.00
VSAB0630-5R6M	5.60	35.0	40.5	4.80	4.50	5.80	5.00
VSAB0630-6R8M	6.80	41.0	46.5	4.40	4.00	4.80	4.50
VSAB0630-8R2M	8.20	50.0	58.0	3.90	3.60	4.40	4.00
VSAB0630-100M	10.0	61.0	72.0	3.50	3.10	4.00	3.60
VSAB0630-150M	15.0	96.0	108	3.00	2.50	3.30	2.80
VSAB0630-220M	22.0	163	174	2.40	2.10	2.50	2.00

VSAB0640 Series

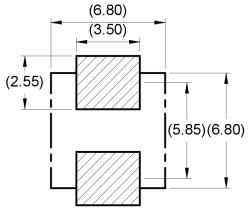
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

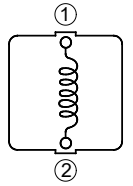


Marking

Reference Land Pattern (mm)

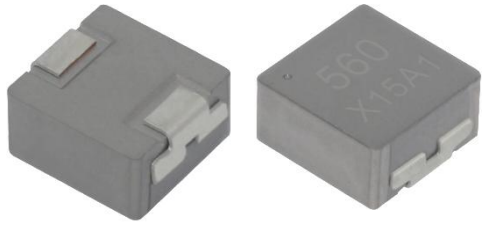


Schematic



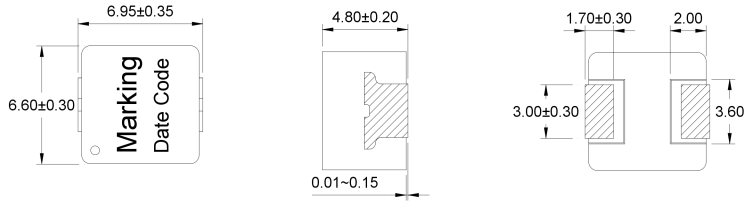
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB0640-6R8M	6.80	38.0	45.0	5.50	5.00	6.50	5.60
VSAB0640-8R2M	8.20	48.0	56.0	5.00	4.50	5.00	4.40
VSAB0640-100M	10.0	58.0	67.0	4.50	4.00	4.40	4.00
VSAB0640-150M	15.0	90.0	103	3.30	2.80	3.50	3.00
VSAB0640-220M	22.0	110	130	2.70	2.30	2.80	2.40
VSAB0640-330M	33.0	180	210	2.00	1.80	1.90	1.70
VSAB0640-470M	47.0	230	270	1.70	1.50	1.60	1.40

VSAB0650 Series

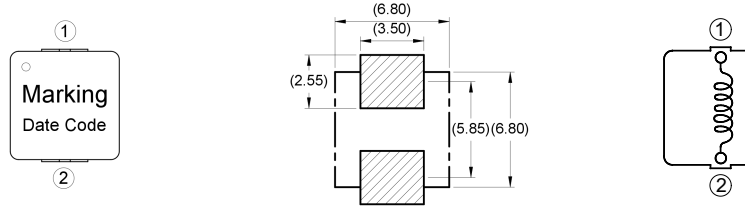


- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)



Marking / Reference Land Pattern (mm) / Schematic

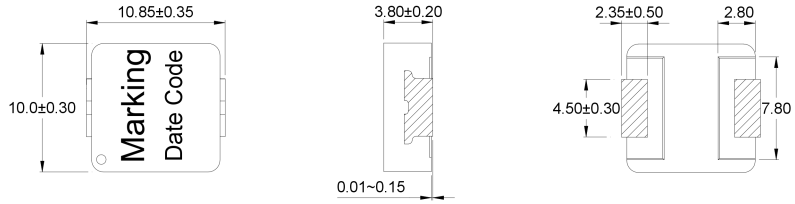


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB0650-3R3M	3.30	16.0	17.5	9.00	7.50	8.80	7.50
VSAB0650-4R7M	4.70	18.0	23.0	7.00	6.30	8.50	7.00
VSAB0650-100M	10.0	54.0	62.0	4.70	4.20	5.00	4.50
VSAB0650-150M	15.0	85.0	96.0	3.80	3.30	3.80	3.30
VSAB0650-220M	22.0	100	120	3.20	2.80	3.20	2.80
VSAB0650-330M	33.0	170	195	2.50	2.00	2.50	2.00
VSAB0650-470M	47.0	210	230	2.00	1.60	2.00	1.60
VSAB0650-560M	56.0	235	270	1.60	1.30	1.60	1.30

VSAB1040 Series

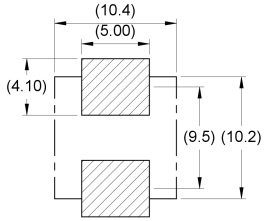
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

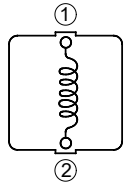


Marking

Reference Land Pattern (mm)



Schematic

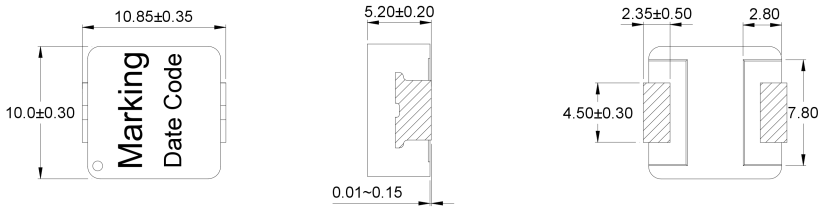


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB1040-1R0M	1.00	2.70	3.10	19.0	16.0	23.0	20.0
VSAB1040-1R5M	1.50	4.20	5.00	15.5	14.0	18.0	16.0
VSAB1040-2R2M	2.20	7.80	8.80	13.5	11.5	15.0	13.0
VSAB1040-3R3M	3.30	9.90	11.8	12.0	10.5	11.0	10.0
VSAB1040-4R7M	4.70	13.5	15.3	11.0	9.50	9.80	8.50
VSAB1040-6R8M	6.80	19.0	22.4	8.50	7.50	9.00	8.00
VSAB1040-8R2M	8.20	25.0	27.5	7.40	6.50	7.70	7.00
VSAB1040-100M	10.0	28.0	32.0	6.40	6.00	7.50	6.80
VSAB1040-150M	15.0	42.0	48.5	5.80	5.00	6.00	5.40
VSAB1040-220M	22.0	59.0	68.0	4.80	4.10	5.00	4.30
VSAB1040-330M	33.0	87.0	100	3.80	3.20	4.00	3.50
VSAB1040-470M	47.0	140	165	3.50	2.80	3.30	2.80
VSAB1040-560M	56.0	170	200	2.60	2.40	2.70	2.40
VSAB1040-680M	68.0	215	250	2.40	2.00	2.40	2.00

VSAB1054 Series

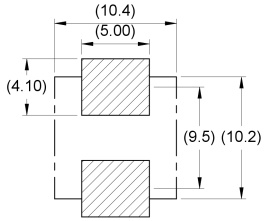
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

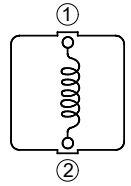


Marking

Reference Land Pattern (mm)



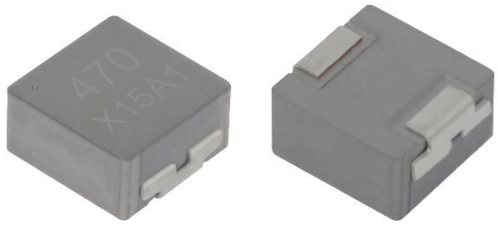
Schematic



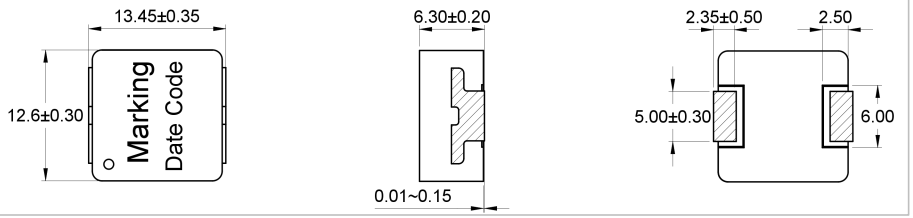
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB1054-3R3M	3.30	7.50	8.90	15.8	13.8	14.3	12.5
VSAB1054-4R7M	4.70	10.5	12.5	12.5	11.0	12.0	10.5
VSAB1054-100M	10.0	22.0	26.0	8.50	8.00	10.0	9.00
VSAB1054-150M	15.0	36.0	42.0	6.80	6.30	8.50	7.50
VSAB1054-220M	22.0	45.0	50.0	5.00	4.50	8.00	7.00
VSAB1054-330M	33.0	73.0	85.0	4.50	4.00	4.50	4.00
VSAB1054-470M	47.0	95.0	110	4.00	3.50	4.20	3.70

VSAB1365 Series

- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

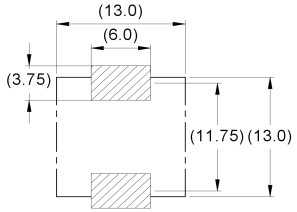


Appearance and Dimensions (mm)

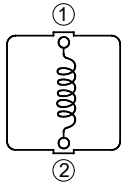


Marking

Reference Land Pattern (mm)



Schematic

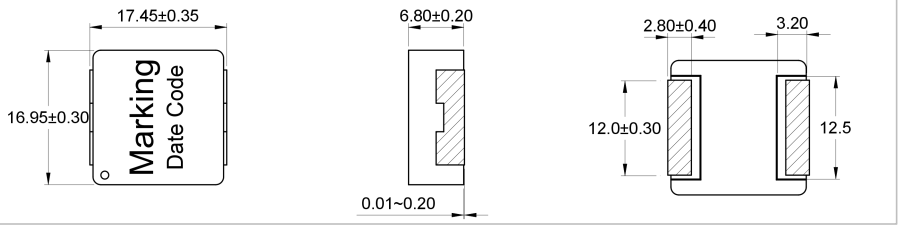


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB1365-1R0M	1.00	1.70	2.30	24.0	21.0	29.0	25.0
VSAB1365-1R5M	1.50	2.50	2.90	18.0	15.5	27.5	24.0
VSAB1365-2R2M	2.20	4.00	4.50	17.7	15.0	21.0	19.0
VSAB1365-3R3M	3.30	5.00	5.80	17.0	14.6	19.5	16.6
VSAB1365-4R7M	4.70	7.90	8.60	13.5	11.5	15.0	13.5
VSAB1365-5R6M	5.60	9.30	10.0	12.0	10.5	14.0	12.5
VSAB1365-6R8M	6.80	10.0	11.5	10.5	9.00	13.5	11.5
VSAB1365-8R2M	8.20	12.0	13.8	10.0	8.60	12.0	10.8
VSAB1365-100M	10.0	15.0	17.8	9.00	7.50	11.0	9.50
VSAB1365-150M	15.0	24.5	28.0	7.20	6.00	8.50	7.50
VSAB1365-220M	22.0	35.0	39.5	6.40	5.50	7.00	6.00
VSAB1365-330M	33.0	60.0	69.0	4.40	3.80	5.50	5.00
VSAB1365-470M	47.0	72.0	85.0	3.90	3.50	4.20	3.60

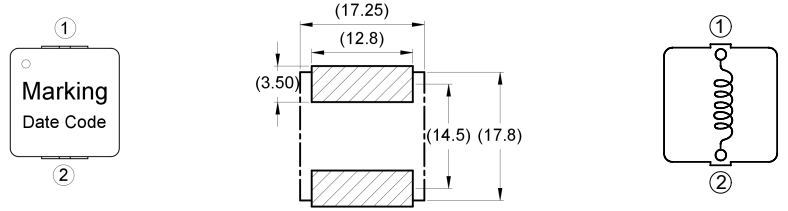
VSAB1770 Series

- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.

Appearance and Dimensions (mm)

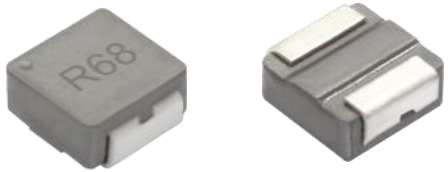


Marking / Reference Land Pattern (mm) / Schematic



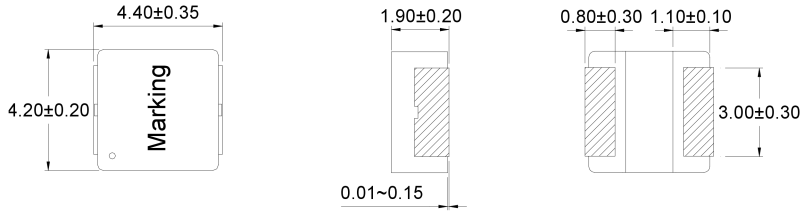
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSAB1770-2R2M	2.20	2.20	2.50	35.0	30.0	34.0	29.0
VSAB1770-3R3M	3.30	2.80	3.30	29.0	25.0	28.0	24.0
VSAB1770-4R7M	4.70	4.40	5.20	23.0	20.0	22.0	19.0
VSAB1770-5R6M	5.60	5.80	6.50	19.8	17.8	18.5	17.0
VSAB1770-6R8M	6.80	7.00	7.80	17.5	16.0	16.8	15.5
VSAB1770-8R2M	8.20	8.20	9.20	16.5	15.0	16.0	14.5
VSAB1770-100M	10.0	10.0	11.0	14.5	13.0	14.0	12.5
VSAB1770-150M	15.0	17.0	21.0	12.0	10.5	12.5	11.0
VSAB1770-220M	22.0	22.0	27.0	10.0	9.00	10.0	8.50
VSAB1770-330M	33.0	30.0	36.0	9.20	8.00	9.50	8.00
VSAB1770-470M	47.0	48.0	55.0	7.80	7.00	7.50	6.80
VSAB1770-560M	56.0	52.0	60.0	6.50	6.00	6.50	6.00
VSAB1770-680M	68.0	75.0	85.0	5.50	5.00	5.50	5.00
VSAB1770-820M	82.0	90.0	105	4.70	4.30	4.70	4.30

VSHB0421 Series

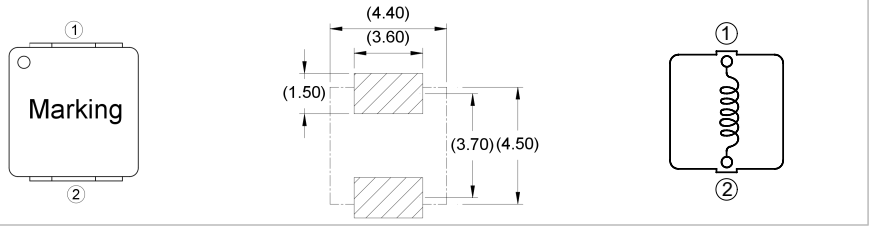


- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature : -55℃～+165℃(Including coil's temperature rise).
- Application: BMS, headlight, automotive navigation etc.
- Developed for use with TI model TPS55162-Q1 buck-boost converter, etc. (Check the IC reference tool)

Appearance and Dimensions (mm)



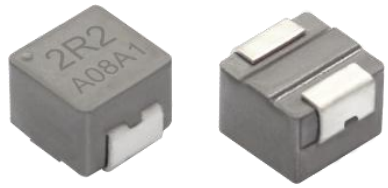
Marking / Reference Land Pattern (mm) / Schematic



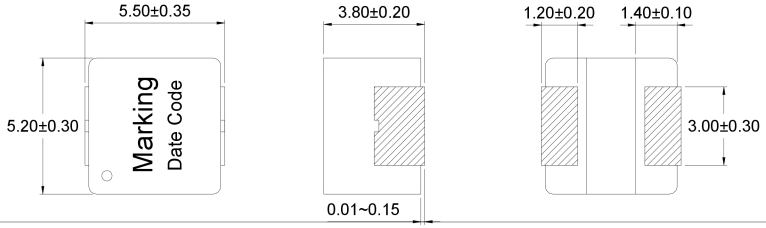
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB0421-R33MC	0.33	5.80	7.00	13.6	11.8	10.9	9.80
VSHB0421-R40MC	0.40	6.20	7.10	12.7	10.9	10.6	9.50
VSHB0421-R47MC	0.47	7.00	8.00	11.0	9.50	10.3	9.10
VSHB0421-R60MC	0.60	8.30	9.30	10.5	9.00	9.40	8.60
VSHB0421-R68MC	0.68	9.60	11.2	9.80	8.50	8.90	8.00
VSHB0421-1R0MC	1.00	12.2	13.9	8.10	7.00	8.30	7.50
VSHB0421-1R5MC	1.50	14.3	16.5	6.30	5.40	7.20	6.30
VSHB0421-2R2MC	2.20	21.5	24.5	5.50	4.70	5.60	5.00
VSHB0421-3R3MC	3.30	37.0	42.5	4.20	3.70	4.70	4.20
VSHB0421-4R7MC	4.70	51.0	58.0	3.80	3.30	3.70	3.30
VSHB0421-5R6MC	5.60	65.0	74.2	3.10	2.70	3.30	2.90
VSHB0421-6R8MC	6.80	76.0	91.2	2.90	2.50	2.90	2.70
VSHB0421-8R2MC	8.20	105	118	2.60	2.20	2.60	2.30
VSHB0421-100MC	10.0	120	139	2.60	2.20	2.50	2.20

VSHB0540 Series

- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃～+165℃(Including coil's temperature rise).
- Application: BMS, headlight, automotive navigation etc.

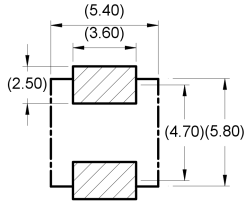


Appearance and Dimensions (mm)

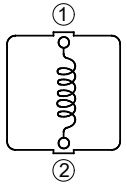


Marking

Reference Land Pattern (mm)



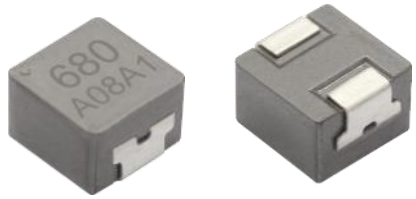
Schematic



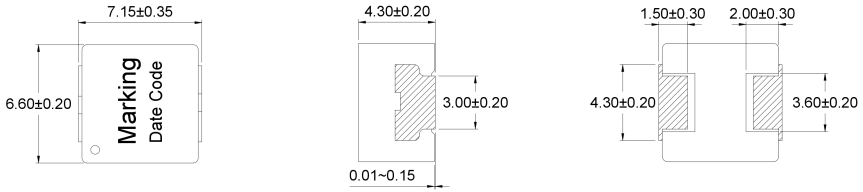
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB0540-1R0MC	1.00	10.4	13.0	11.5	10.5	7.20	6.70
VSHB0540-2R2MC	2.20	21.8	25.0	10.2	8.80	6.90	6.20
VSHB0540-3R3MC	3.30	28.0	33.0	8.40	7.40	6.30	5.80
VSHB0540-4R7MC	4.70	34.5	41.0	7.70	6.60	5.80	5.20
VSHB0540-5R6MC	5.60	39.1	47.0	6.90	6.00	5.00	4.50
VSHB0540-6R8MC	6.80	47.0	56.6	6.30	5.40	4.30	3.90
VSHB0540-8R2MC	8.20	66.5	80.0	5.60	4.90	3.70	3.30
VSHB0540-100MC	10.0	84.0	92.4	4.80	4.00	3.20	2.90
VSHB0540-150MC	15.0	108	124	3.60	3.10	2.80	2.50
VSHB0540-220MC	22.0	156	177	3.00	2.50	2.40	2.20

VSHB0645 Series

- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃～+165℃(Including coil's temperature rise).
- Application: BMS, headlight, automotive navigation etc.

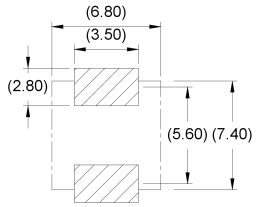


Appearance and Dimensions (mm)

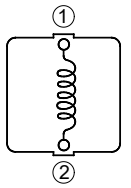


Marking

Reference Land Pattern (mm)



Schematic

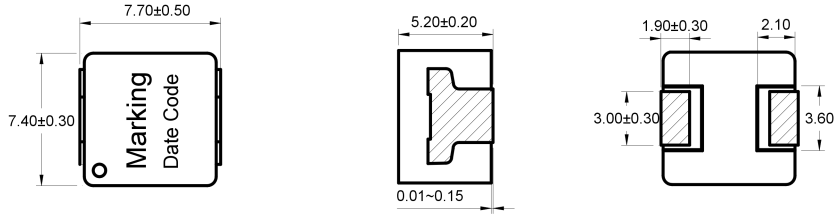


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB0645-1R0MC	1.00	4.90	5.9	14.5	11.5	14.0	12.5
VSHB0645-1R5MC	1.50	6.50	7.8	12.0	10.0	12.0	10.6
VSHB0645-2R2MC	2.20	9.20	11.0	11.0	9.00	11.0	10.0
VSHB0645-3R3MC	3.30	15.5	18.6	9.40	8.00	8.50	7.50
VSHB0645-4R7MC	4.70	20.2	24.0	8.50	7.00	7.60	6.50
VSHB0645-5R6MC	5.60	22.0	26.4	8.40	7.00	6.00	5.50
VSHB0645-6R8MC	6.80	25.0	30.0	7.50	6.50	6.00	5.30
VSHB0645-8R2MC	8.20	35.0	42.0	7.20	6.00	5.80	5.00
VSHB0645-100MC	10.0	44.5	53.4	6.30	5.30	5.40	4.60
VSHB0645-150MC	15.0	65.0	78.0	4.20	3.50	4.50	3.80
VSHB0645-220MC	22.0	92.0	112	3.20	2.80	3.00	2.50
VSHB0645-330MC	33.0	136	163	2.90	2.50	2.40	2.10
VSHB0645-470MC	47.0	181	217	2.60	2.30	2.00	1.80
VSHB0645-560MC	56.0	227	272	2.50	2.20	1.90	1.70
VSHB0645-680MC	68.0	285	320	2.40	2.10	1.80	1.60

VSHB0754T Series

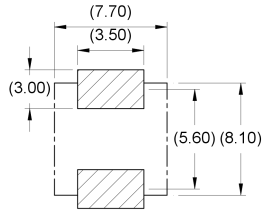
- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).

Appearance and Dimensions (mm)

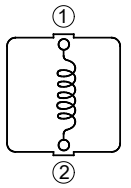


Marking

Reference Land Pattern (mm)



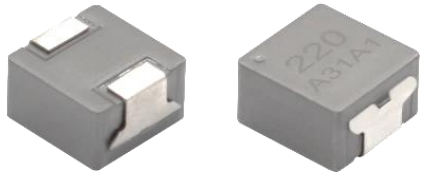
Schematic



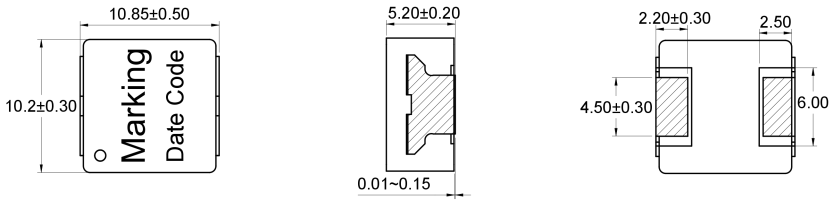
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB0754T-1R5MC	1.50	6.90	7.80	16.5	14.2	11.6	10.5
VSHB0754T-2R2MC	2.20	10.0	12.0	15.0	12.9	9.80	8.80
VSHB0754T-3R3MC	3.30	14.0	15.4	13.5	11.8	8.30	7.50
VSHB0754T-4R7MC	4.70	19.0	20.9	13.2	11.3	7.30	6.50
VSHB0754T-5R6MC	5.60	21.5	23.8	10.8	9.40	6.70	6.10
VSHB0754T-6R8MC	6.80	24.2	26.5	10.4	8.90	6.40	5.80
VSHB0754T-8R2MC	8.20	29.0	31.9	9.10	7.80	5.80	5.20
VSHB0754T-100MC	10.0	35.0	38.3	8.20	7.10	5.20	4.80
VSHB0754T-150MC	15.0	60.0	66.0	7.20	6.50	4.10	3.70
VSHB0754T-180MC	18.0	63.0	72.0	6.70	5.60	3.90	3.50
VSHB0754T-220MC	22.0	92.0	102	6.30	5.50	3.70	3.30
VSHB0754T-330MC	33.0	118	134	5.00	4.30	3.30	2.90
VSHB0754T-470MC	47.0	156	171	4.10	3.50	2.50	2.20
VSHB0754T-560MC	56.0	185	213	3.40	2.90	2.20	2.00
VSHB0754T-680MC	68.0	225	255	2.80	2.40	2.00	1.80
VSHB0754T-101MC	100	280	330	2.40	2.00	1.90	1.70

VSHB1054T Series

- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- Operating temperature : -55℃ ～ +165℃(Including coil's temperature rise).
- Application: headlight, on-board super charger, automotive seat motor driver etc.
- Developed for use with MPS model MPQ4480 synchronous step-down converter, etc. (Check the IC reference tool)

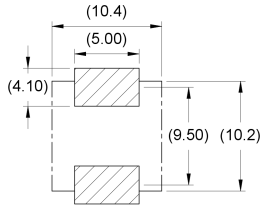


Appearance and Dimensions (mm)

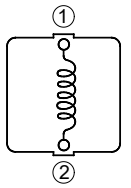


Marking

Reference Land Pattern (mm)



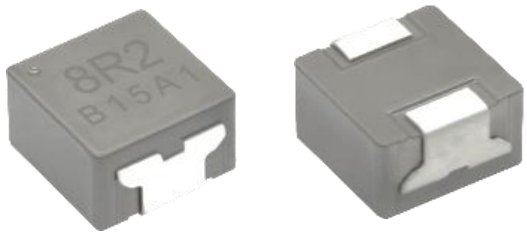
Schematic



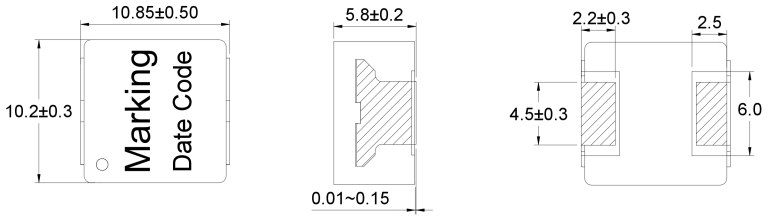
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB1054T-1R0MC	1.00	2.30	2.70	28.5	24.0	30.0	27.0
VSHB1054T-2R2MC	2.20	4.00	4.70	23.0	18.0	23.0	20.7
VSHB1054T-2R5MC	2.50	4.70	5.60	22.5	17.6	21.0	18.9
VSHB1054T-3R3MC	3.30	6.20	7.30	19.2	16.4	18.7	16.8
VSHB1054T-4R7MC	4.70	8.30	10.0	15.5	13.0	14.5	13.0
VSHB1054T-5R6MC	5.60	10.0	11.8	14.8	12.5	14.0	12.5
VSHB1054T-6R8MC	6.80	11.5	13.6	13.3	11.4	12.0	10.8
VSHB1054T-8R2MC	8.20	15.5	18.0	12.4	10.6	10.5	8.80
VSHB1054T-100MC	10.0	20.5	23.5	11.8	9.50	8.80	7.90
VSHB1054T-150MC	15.0	27.2	31.2	8.50	7.20	7.60	6.80
VSHB1054T-220MC	22.0	38.0	45.0	7.30	6.20	6.30	5.60
VSHB1054T-330MC	33.0	60.0	70.0	6.50	5.50	5.00	4.50
VSHB1054T-470MC	47.0	83.0	100	4.70	4.00	4.20	3.80
VSHB1054T-680MC	68.0	120	143	3.90	3.10	3.40	3.10
VSHB1054T-101MC	100	190	220	3.30	2.70	3.00	2.70

VSHB1060T Series

- Magnetic shielded structure: excellent resistance to electro magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).

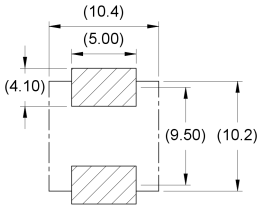


Appearance and Dimensions (mm)

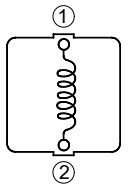


Marking

Reference Land Pattern (mm)



Schematic

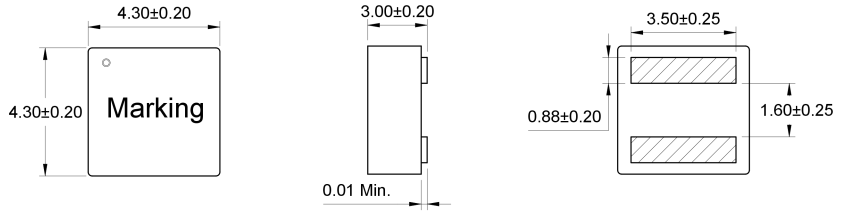


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSHB1060T-8R2MC	8.20	13.5	16.0	13.2	11.3	11.5	9.80
VSHB1060T-100MC	10.0	16.5	19.5	12.5	10.6	9.50	8.50
VSHB1060T-150MC	15.0	21.8	25.0	10.3	8.40	8.30	7.10
VSHB1060T-220MC	22.0	33.8	39.5	8.00	6.80	7.00	6.10
VSHB1060T-330MC	33.0	48.0	56.0	7.00	5.80	6.30	5.60
VSHB1060T-470MC	47.0	67.0	74.0	5.50	4.70	4.50	4.00
VSHB1060T-560MC	56.0	75.0	92.0	4.90	4.10	4.20	3.70
VSHB1060T-680MC	68.0	95.0	115	4.30	3.60	3.70	3.40
VSHB1060T-820MC	82.0	117	140	4.00	3.30	3.30	3.00

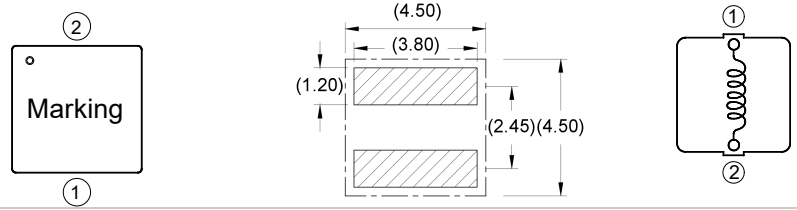
VSEB0430H Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).
- Application: headlight, lidar etc.

Appearance and Dimensions (mm)



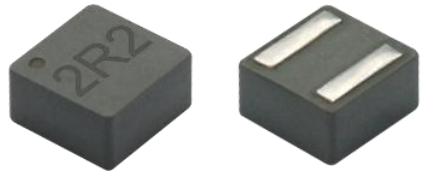
Marking / Reference Land Pattern (mm) / Schematic



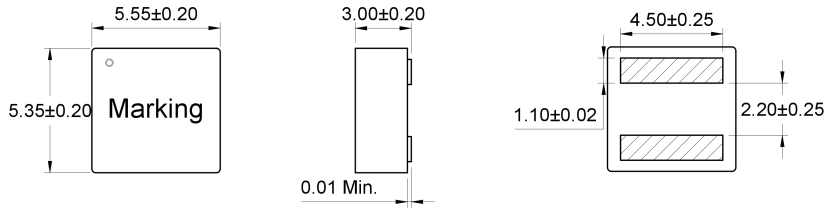
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB0430H-R47MC	0.47	4.40	5.10	14.0	12.0	16.0	14.4
VSEB0430H-R56MC	0.56	4.80	5.70	13.1	11.3	15.5	14.0
VSEB0430H-R68MC	0.68	5.30	6.30	11.0	9.50	15.0	13.2
VSEB0430H-R82MC	0.82	6.30	7.50	10.5	9.20	12.8	11.5
VSEB0430H-1R0MC	1.00	9.00	10.3	9.00	7.80	10.7	9.60
VSEB0430H-1R5MC	1.50	10.5	12.5	8.50	7.30	9.00	8.10
VSEB0430H-2R2MC	2.20	17.0	20.5	6.80	5.80	8.30	7.50
VSEB0430H-3R3MC	3.30	22.5	26.6	5.60	4.80	7.10	6.30

VSEB0530H Series

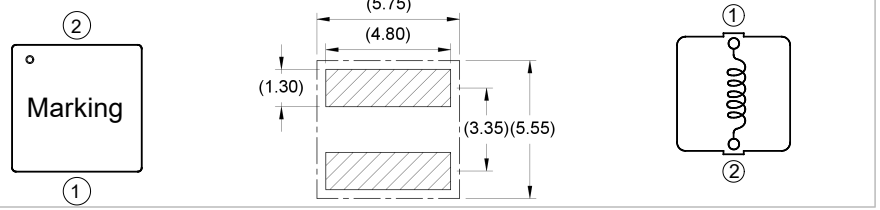
Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
A composite structure, ultra low buzz noise.
Low loss, high efficiency, wide application frequency.
Lightweight design, save space, suitable for high density SMT.
Molded by low loss alloy powder: low impedance, small parasitic capacitance.
AEC-Q200 Products.
Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).
Application: DC-DC converter, headlight etc.



Appearance and Dimensions (mm)



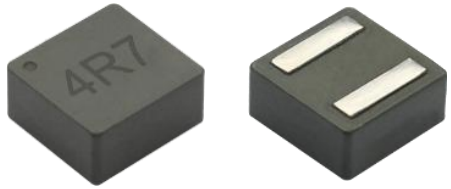
Marking / Reference Land Pattern (mm) / Schematic



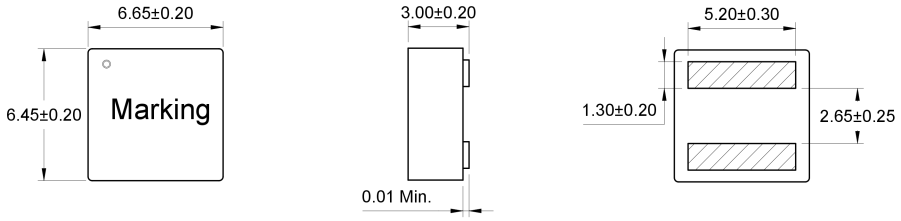
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB0530H-R56MC	0.56	4.20	4.90	16.1	14.0	17.7	16.0
VSEB0530H-R68MC	0.68	4.60	5.50	15.2	13.2	15.6	13.6
VSEB0530H-R82MC	0.82	5.10	5.90	15.0	13.0	13.1	11.8
VSEB0530H-1R0MC	1.00	6.90	8.20	14.3	12.2	12.0	11.0
VSEB0530H-1R5MC	1.50	9.00	10.6	10.7	9.30	11.0	10.0
VSEB0530H-2R2MC	2.20	11.0	13.0	8.30	7.20	10.0	9.10
VSEB0530H-3R3MC	3.30	18.0	21.2	8.10	7.00	9.00	8.10
VSEB0530H-4R7MC	4.70	25.8	30.8	6.20	5.30	7.90	7.10

VSEB0630H Series

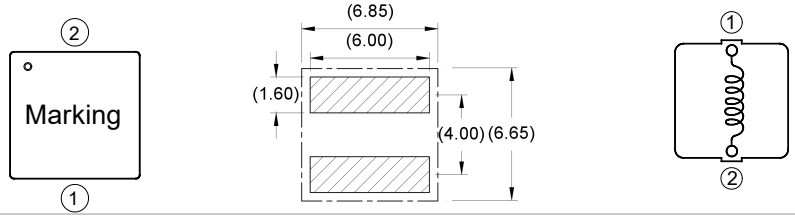
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).



Appearance and Dimensions (mm)



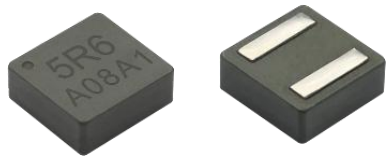
Marking / Reference Land Pattern (mm) / Schematic



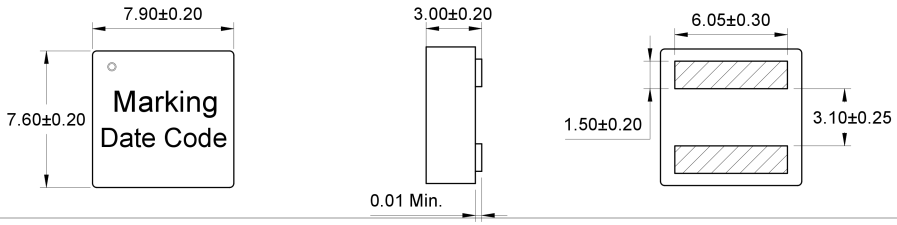
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB0630H-1R2MC	1.20	5.80	6.80	16.6	14.4	16.5	15.0
VSEB0630H-1R5MC	1.50	6.80	7.90	13.2	11.3	15.5	14.0
VSEB0630H-2R2MC	2.20	8.30	9.80	12.2	10.5	12.0	11.0
VSEB0630H-3R3MC	3.30	16.5	19.0	8.80	7.50	8.80	8.00
VSEB0630H-4R7MC	4.70	19.5	23.2	6.70	5.70	7.90	7.10

VSEB0730H Series

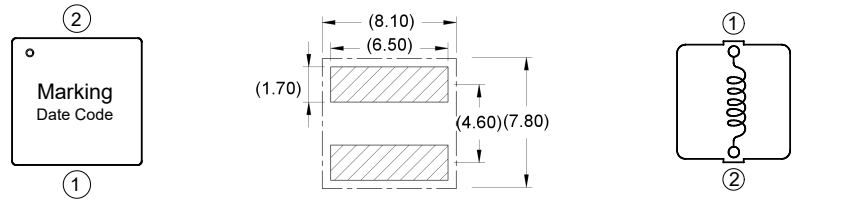
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder, low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +155℃(Including coil's temperature rise).
- Application: headlight, water pump and oil pump, 5G T-BOX etc.



Appearance and Dimensions (mm)

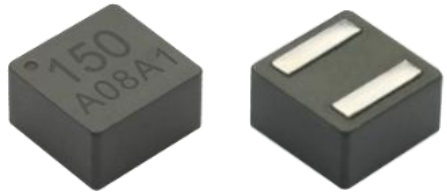


Marking / Reference Land Pattern (mm) / Schematic



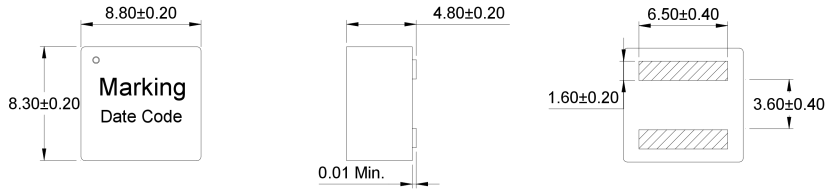
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB0730H-1R2MC	1.20	3.80	4.60	18.2	15.7	18.5	16.6
VSEB0730H-1R5MC	1.50	5.50	6.50	13.6	11.7	16.5	15.7
VSEB0730H-2R2MC	2.20	8.60	10.3	11.0	9.60	14.3	12.9
VSEB0730H-3R3MC	3.30	13.3	15.8	9.30	8.10	11.3	10.0
VSEB0730H-4R7MC	4.70	20.0	23.9	8.00	6.80	10.0	9.20
VSEB0730H-5R6MC	5.60	22.1	26.0	7.30	6.20	8.10	7.30

VSEB0850H Series

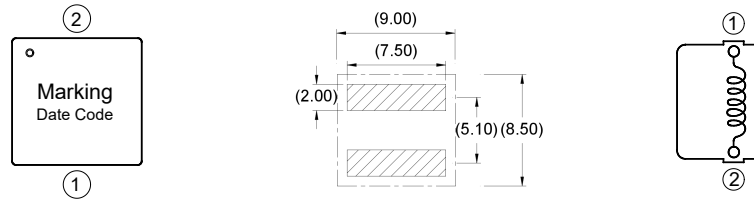


- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).
- Application: automotive electronic water pump, BMS, headlight etc.

Appearance and Dimensions (mm)



Marking / Reference Land Pattern (mm) / Schematic

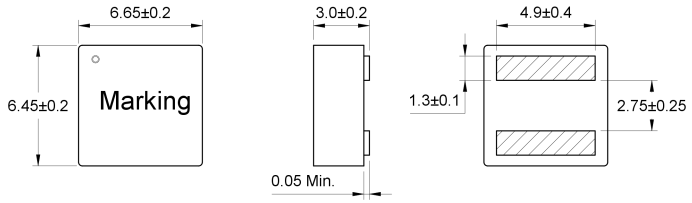


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB0850H-6R8MC	6.80	15.5	17.8	9.70	8.50	12.0	10.8
VSEB0850H-8R2MC	8.20	20.3	25.0	9.00	7.80	10.3	9.30
VSEB0850H-100MC	10.0	25.5	29.8	8.20	7.10	9.80	8.50
VSEB0850H-150MC	15.0	37.0	44.0	7.20	6.10	8.10	7.30
VSEB0850H-220MC	22.0	55.0	64.4	6.20	5.20	5.80	5.20
VSEB0850H-6R8MC	6.80	15.5	17.8	9.70	8.50	12.0	10.8

VSEB0630 Series

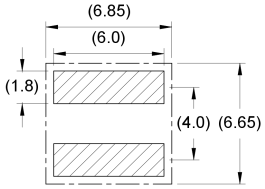
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)

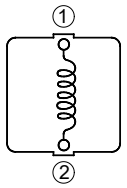


Marking

Reference Land Pattern (mm)



Schematic

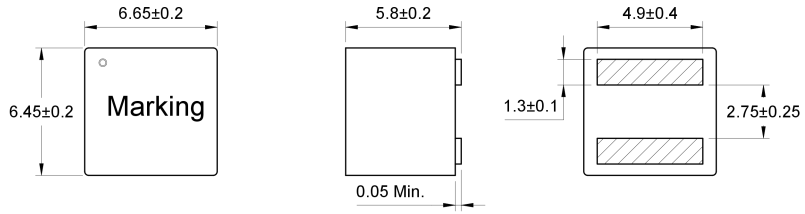


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0630-R18M	0.18	1.32	1.50	39.0	32.0
VSEB0630-R33M	0.33	2.28	2.50	30.0	25.0
VSEB0630-R47M	0.47	2.84	3.10	29.5	23.0
VSEB0630-R56M	0.56	3.17	3.50	29.0	22.0
VSEB0630-R68M	0.68	4.10	4.70	25.0	20.0
VSEB0630-1R0M	1.00	5.92	6.50	23.0	18.0
VSEB0630-1R2M	1.20	6.40	7.04	22.0	16.0
VSEB0630-1R8M	1.80	9.57	10.5	18.2	14.0
VSEB0630-2R2M	2.20	11.7	12.5	15.9	10.0
VSEB0630-3R3M	3.30	21.1	23.0	12.2	8.00
VSEB0630-4R7M	4.70	31.0	35.5	8.00	6.50

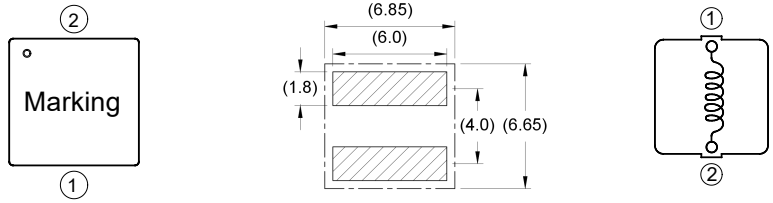
VSEB0660 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)



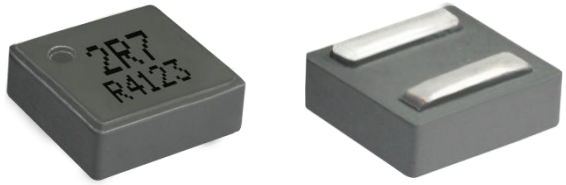
Marking / Reference Land Pattern (mm) / Schematic



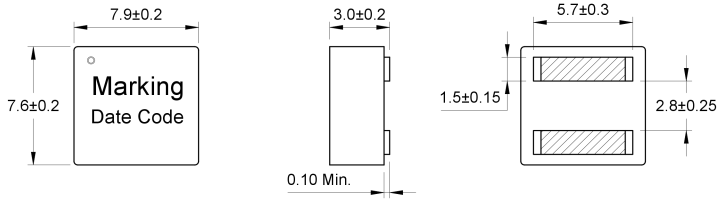
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0660-2R2M	2.20	5.95	7.14	16.0	16.0
VSEB0660-3R3M	3.30	10.4	12.0	12.0	12.0
VSEB0660-4R7M	4.70	13.0	15.0	10.5	11.0
VSEB0660-5R6M	5.60	15.0	17.3	10.0	10.0
VSEB0660-6R8M	6.80	17.6	20.2	9.20	9.00
VSEB0660-8R2M	8.20	25.9	27.5	8.40	8.00
VSEB0660-100M	10.0	26.5	30.5	7.60	7.00
VSEB0660-150M	15.0	42.0	48.3	6.00	5.50

VSEB0730 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

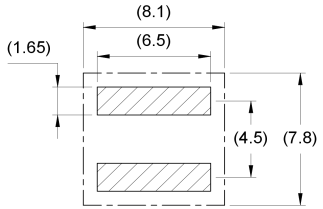


Appearance and Dimensions (mm)

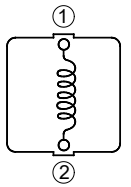


Marking

Reference Land Pattern (mm)



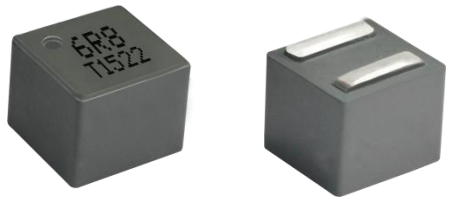
Schematic



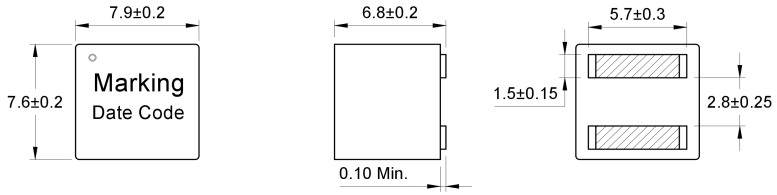
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0730-R16M	0.16	1.15	1.26	60.0	32.5
VSEB0730-R30M	0.30	1.75	1.92	41.0	27.6
VSEB0730-R60M	0.60	3.60	4.00	36.0	23.0
VSEB0730-1R0M	1.00	4.90	5.50	28.0	21.8
VSEB0730-1R5M	1.50	7.60	8.36	23.5	15.0
VSEB0730-2R2M	2.20	11.0	12.1	18.0	12.9
VSEB0730-2R7M	2.70	12.8	14.1	13.0	11.4
VSEB0730-3R3M	3.30	15.7	18.5	12.3	10.0
VSEB0730-4R7M	4.70	23.5	27.6	10.1	9.00
VSEB0730-5R6M	5.60	28.7	31.6	9.80	7.30
VSEB0730-6R8M	6.80	32.0	37.5	8.70	6.80

VSEB0770 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40℃ ～ +125℃(Including coil's temperature rise).

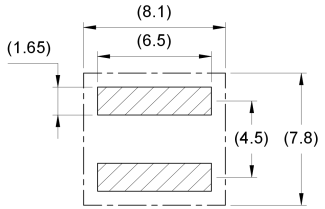


Appearance and Dimensions (mm)

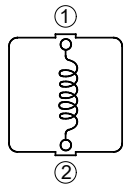


Marking

Reference Land Pattern (mm)



Schematic

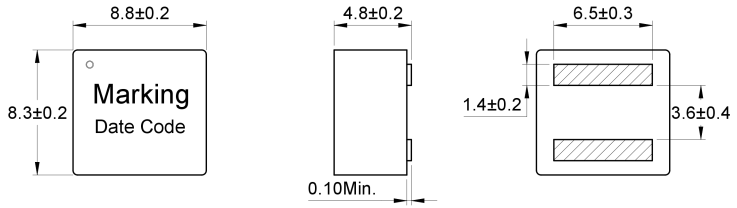


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0770-R80M	0.80	2.10	2.39	37.8	25.8
VSEB0770-1R0M	1.00	2.30	2.65	34.8	25.0
VSEB0770-1R2M	1.20	2.85	3.30	31.2	21.6
VSEB0770-1R8M	1.80	4.20	4.80	25.0	21.0
VSEB0770-2R2M	2.20	5.60	6.45	19.6	17.8
VSEB0770-3R3M	3.30	7.58	8.70	19.4	15.1
VSEB0770-4R7M	4.70	12.0	13.8	15.2	13.6
VSEB0770-5R6M	5.60	12.2	14.0	13.0	11.4
VSEB0770-6R8M	6.80	17.0	19.5	12.8	9.20

VSEB0850 Series

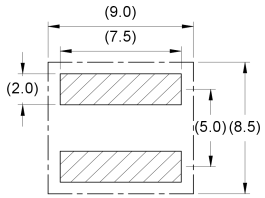
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)

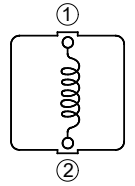


Marking

Reference Land Pattern (mm)



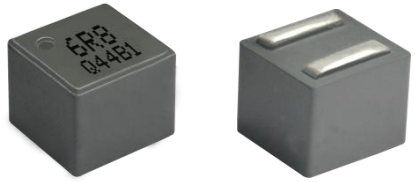
Schematic



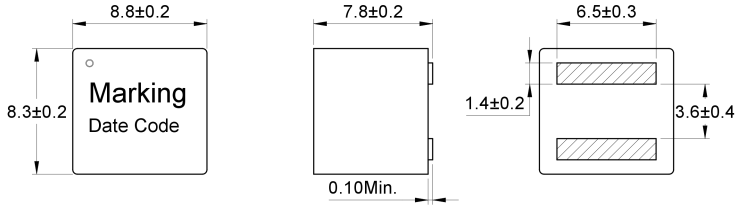
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0850-1R0M	1.00	3.30	4.15	41.0	29.5
VSEB0850-1R5M	1.50	4.55	5.70	29.5	28.0
VSEB0850-2R2M	2.20	6.50	8.15	27.0	20.0
VSEB0850-3R3M	3.30	10.0	12.5	18.5	18.0
VSEB0850-4R7M	4.70	13.1	16.4	15.0	14.0
VSEB0850-100M	10.0	36.5	45.5	9.50	8.50
VSEB0850-150M	15.0	48.6	57.5	8.50	8.00
VSEB0850-220M	22.0	54.8	68.5	7.00	7.00

VSEB0880 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

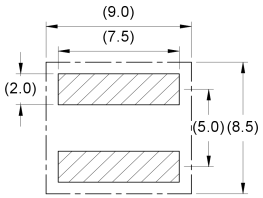


Appearance and Dimensions (mm)

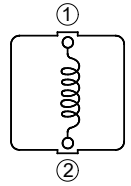


Marking

Reference Land Pattern (mm)



Schematic

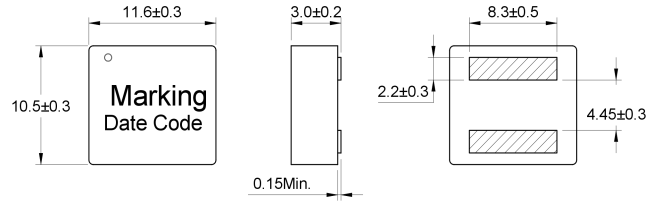


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB0880-R68M	0.68	1.56	1.75	38.0	37.0
VSEB0880-1R0M	1.00	2.10	2.32	31.0	34.0
VSEB0880-1R5M	1.50	3.00	3.50	28.0	28.0
VSEB0880-2R2M	2.20	3.70	4.25	24.0	21.5
VSEB0880-3R3M	3.30	6.40	7.50	20.0	18.0
VSEB0880-4R7M	4.70	8.65	9.54	17.4	14.6
VSEB0880-6R8M	6.80	13.5	14.5	14.0	11.0
VSEB0880-100M	10.0	20.0	22.0	11.0	9.00
VSEB0880-150M	15.0	25.0	28.0	9.00	8.50
VSEB0880-220M	22.0	30.0	34.5	7.50	7.00

VSEB1030 Series

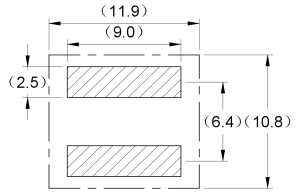
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)

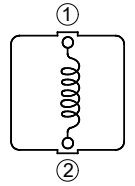


Marking

Reference Land Pattern (mm)



Schematic

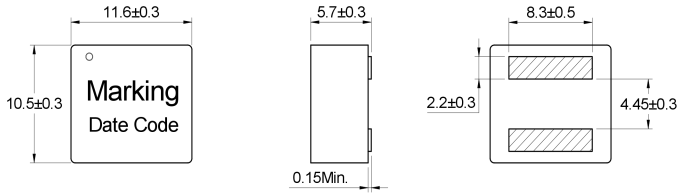


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB1030-R16M	0.16	1.10	1.21	88.0	42.0
VSEB1030-R30M	0.30	1.55	1.70	68.0	35.0
VSEB1030-R56M	0.56	2.50	2.75	44.0	32.0
VSEB1030-1R0M	1.00	4.50	4.95	35.0	23.0
VSEB1030-2R2M	2.20	9.90	13.0	25.0	15.0

VSEB1060 Series

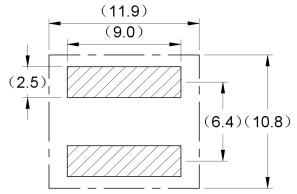
- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)

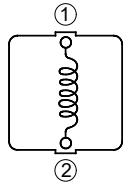


Marking

Reference Land Pattern (mm)



Schematic

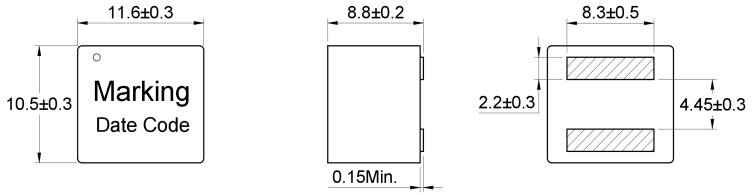


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB1060-R18M	0.18	0.50	0.60	120	46.0
VSEB1060-R40M	0.40	0.80	0.88	82.0	36.8
VSEB1060-R68M	0.68	1.35	1.55	52.0	33.9
VSEB1060-1R2M	1.20	2.38	2.75	43.0	26.3
VSEB1060-1R5M	1.50	3.00	3.30	36.0	24.4
VSEB1060-2R2M	2.20	4.06	4.40	32.0	20.0
VSEB1060-3R3M	3.30	6.50	7.50	26.0	16.8

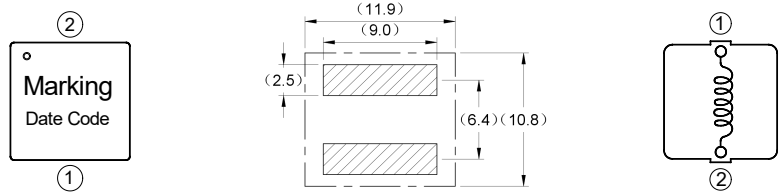
VSEB1090 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)



Marking / Reference Land Pattern (mm) / Schematic

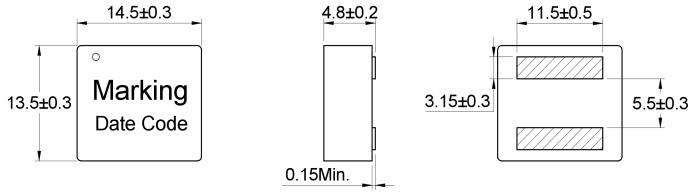


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB1090-1R0M	1.00	1.38	1.65	40.0	33.5
VSEB1090-2R2M	2.20	2.20	2.50	33.0	32.0
VSEB1090-3R3M	3.30	3.40	3.90	26.0	25.0
VSEB1090-4R7M	4.70	5.30	6.00	25.0	24.0
VSEB1090-5R6M	5.60	6.20	6.80	23.6	21.2
VSEB1090-6R8M	6.80	7.60	8.40	21.8	18.5
VSEB1090-8R2M	8.20	10.1	11.5	18.3	17.1
VSEB1090-100M	10.0	11.4	13.1	17.5	15.5
VSEB1090-150M	15.0	14.8	17.0	15.5	13.8
VSEB1090-220M	22.0	22.3	24.5	13.5	11.8
VSEB1090-330M	33.0	36.2	39.9	10.5	9.00

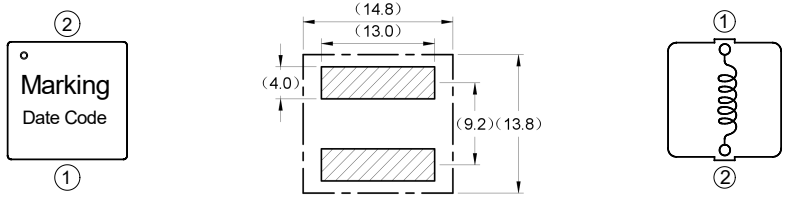
VSEB1350 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)



Marking / Reference Land Pattern (mm) / Schematic

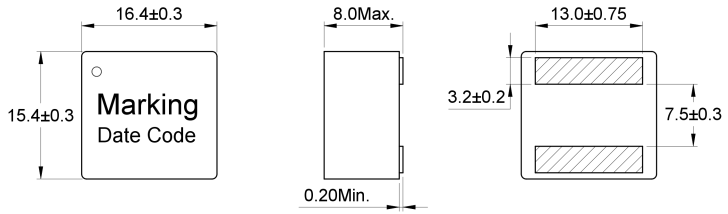


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB1350-R63M	0.63	1.34	1.70	74.5	37.0
VSEB1350-R93M	0.93	1.75	2.20	60.5	33.0
VSEB1350-1R0M	1.00	2.15	2.30	58.5	32.0
VSEB1350-1R3M	1.30	2.43	2.70	56.5	31.0
VSEB1350-1R5M	1.50	2.77	3.50	50.5	30.0
VSEB1350-2R2M	2.20	3.90	4.80	46.5	24.0
VSEB1350-3R0M	3.00	5.20	6.50	37.5	21.0

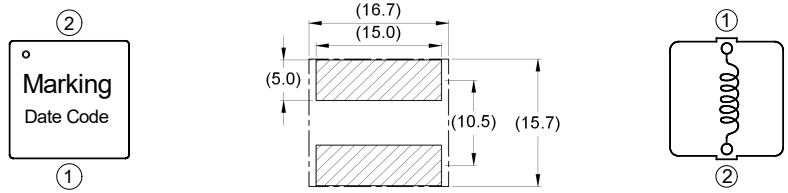
VSEB1508 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

Appearance and Dimensions (mm)



Marking / Reference Land Pattern (mm) / Schematic

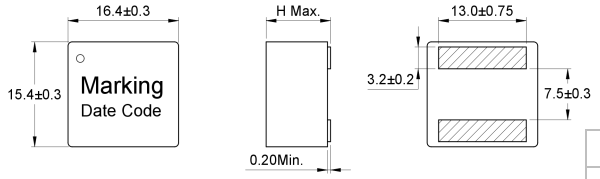


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VSEB1508-1R0M	1.00	0.88	1.00	73.5	57.5	VSEB1508-1R0M	1.00
VSEB1508-1R3M	1.30	1.20	1.40	65.0	46.7	VSEB1508-1R3M	1.30
VSEB1508-1R8M	1.80	1.55	1.80	57.0	43.8	VSEB1508-1R8M	1.80
VSEB1508-2R0M	2.00	1.80	2.10	51.0	39.9	VSEB1508-2R0M	2.00
VSEB1508-3R0M	3.00	2.60	3.00	43.0	34.4	VSEB1508-3R0M	3.00
VSEB1508-3R3M	3.30	2.80	3.20	43.0	31.0	VSEB1508-3R3M	3.30
VSEB1508-4R5M	4.50	3.65	4.20	34.2	27.0	VSEB1508-4R5M	4.50
VSEB1508-5R3M	5.30	4.10	4.70	33.0	26.5	VSEB1508-5R3M	5.30
VSEB1508-6R1M	6.10	5.10	5.85	31.0	22.6	VSEB1508-6R1M	6.10

VSEB1510 Series

- Magnetic shielded structure: excellent resistance to electro-magnetic interference(EMI).
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Lightweight design, save space, suitable for high density SMT.
- Molded by low loss alloy powder: low impedance, small parasitic capacitance.
- AEC-Q200 Products.
- Operating temperature: -40 ℃~+125 ℃ (including product self heating).

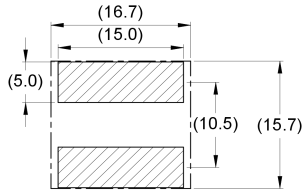
Appearance and Dimensions (mm)



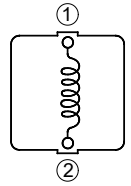
Part No.	330	Others
Dimension H	11.0	10.0

Marking

Reference Land Pattern (mm)



Schematic

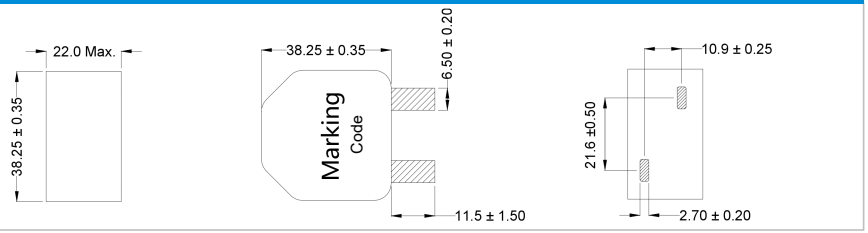


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VSEB1510-1R0M	1.00	0.92	1.10	80.0	58.0
VSEB1510-3R3M	3.30	2.60	3.10	43.0	35.0
VSEB1510-4R7M	4.70	3.50	4.00	39.0	29.0
VSEB1510-5R6M	5.60	3.60	4.20	37.0	28.0
VSEB1510-6R8M	6.80	4.10	4.70	36.0	26.0
VSEB1510-8R2M	8.20	6.00	6.90	30.0	24.0
VSEB1510-100M	10.0	6.50	7.50	26.3	22.0
VSEB1510-150M	15.0	11.3	13.0	23.0	18.0
VSEB1510-220M	22.0	13.3	15.0	18.7	14.0
VSEB1510-330M	33.0	18.0	21.0	16.7	12.0

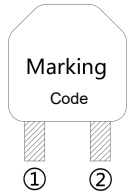
VPAB3822 Series

- Flat wire winding, achieving very low DC resistance.
- A composite structure, ultra low buzz noise.
- Low loss, high efficiency, wide application frequency.
- Suitable for high-power DC-DC converter applications.
- Compact design saves PCB mounting area.
- Operating temperature: -55℃ ～ +165℃(Including coil's temperature rise).

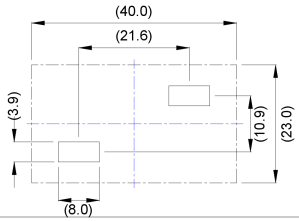
Appearance and Dimensions (mm)



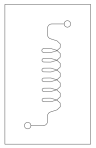
Marking



Reference Hole Pattern (mm)



Schematic

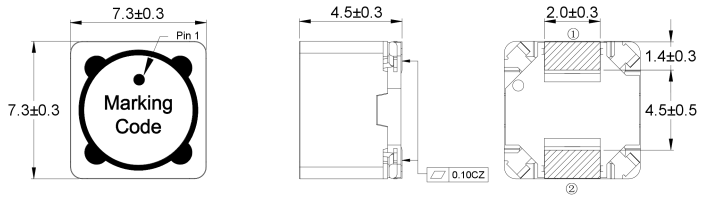


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	
	±20%	Typ.	Max.	Typ.	Max.	Typ.	Max.
VPAB3822-R82M	0.82	0.160	0.175	335	330	142	138
VPAB3822-1R5M	1.50	0.230	0.245	245	238	130	125
VPAB3822-2R2M	2.20	0.315	0.335	190	185	126	120
VPAB3822-3R3M	3.30	0.395	0.420	176	170	105	100

VCRHS0704 Series

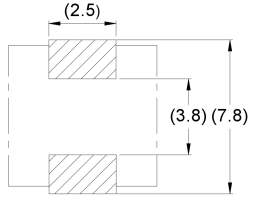
- Low DC resistance, high rated current.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Operating temperature: -55℃～+150℃(Including coil's temperature rise)
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

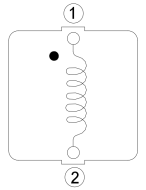


Marking

Reference Land Pattern (mm)



Schematic

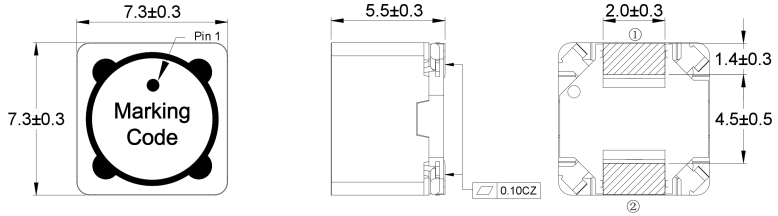


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)
		Typ.	Max.	10% Drop	30% Drop	Typ.
VCRHS0704-1R2M	1.20±20%	12.8	15.4	8.50	10.2	5.20
VCRHS0704-2R2M	2.20±20%	16.0	19.0	6.20	7.80	4.70
VCRHS0704-3R3M	3.30±20%	19.5	23.4	5.10	6.10	4.20
VCRHS0704-4R7M	4.70±20%	24.0	28.8	4.30	5.20	3.60
VCRHS0704-6R8M	6.80±20%	33.0	39.0	3.70	4.50	3.10
VCRHS0704-100M	10.0±20%	49.0	58.0	3.00	3.40	2.67
VCRHS0704-150M	15.0±20%	70.0	84.0	2.40	3.00	2.30
VCRHS0704-220M	22.0±20%	88.0	105.0	2.10	2.40	2.00
VCRHS0704-330M	33.0±20%	140.0	168.0	1.70	2.10	1.53
VCRHS0704-470M	47.0±20%	195.0	234.0	1.40	1.65	1.25
VCRHS0704-680M	68.0±20%	286.0	332.0	1.20	1.40	1.06
VCRHS0704-101L	100.0±15%	365.0	430.0	1.00	1.15	0.97
VCRHS0704-151L	150.0±15%	550.0	660.0	0.82	1.00	0.75
VCRHS0704-221L	220.0±15%	930.0	1,100	0.63	0.82	0.60
VCRHS0704-331L	330.0±15%	1,280	1,500	0.53	0.63	0.51
VCRHS0704-471L	470.0±15%	1,600	1,920	0.45	0.53	0.41
VCRHS0704-681L	680.0±15%	2,600	3,120	0.35	0.45	0.36
VCRHS0704-102K	1,000±10%	4,400	5,000	0.28	0.35	0.27

VCRHS0705 Series

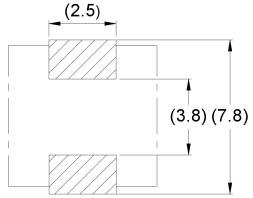
- Low DC resistance, high rated current.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Operating temperature: -55℃～+150℃(Including coil's temperature rise)
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

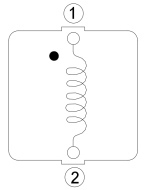


Marking

Reference Land Pattern (mm)



Schematic

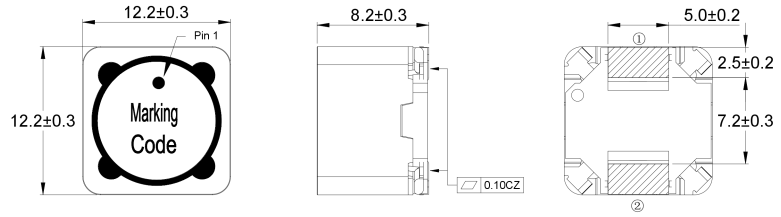


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)
		Typ.	Max.	10% Drop	30% Drop	Typ.
VCRHS0705-4R7M	4.70±20%	20.3	24.4	4.50	5.60	3.80
VCRHS0705-6R8M	6.80±20%	29.4	35.3	3.80	4.60	3.10
VCRHS0705-100M	10.0±20%	40.8	48.9	3.37	3.80	2.60
VCRHS0705-150M	15.0±20%	55.0	66.0	2.50	3.10	2.20
VCRHS0705-220M	22.0±20%	67.5	81.0	2.00	2.45	1.90
VCRHS0705-330M	33.0±20%	105.0	126.0	1.80	2.10	1.60
VCRHS0705-470M	47.0±20%	150.0	180.0	1.50	1.75	1.33
VCRHS0705-680M	68.0±20%	200.0	240.0	1.25	1.55	1.15
VCRHS0705-101L	100.0±15%	279.0	334.8	1.00	1.30	0.97
VCRHS0705-151L	150.0±15%	449.0	538.8	0.87	1.05	0.76
VCRHS0705-221L	220.0±15%	681.0	817.2	0.65	0.87	0.60
VCRHS0705-331L	330.0±15%	997.0	1196.0	0.55	0.65	0.50
VCRHS0705-471L	470.0±15%	1225.0	1470.0	0.45	0.55	0.45
VCRHS0705-681L	680.0±15%	1876.0	2251.0	0.40	0.45	0.36
VCRHS0705-102K	1000±10%	3106.0	3727.0	0.30	0.37	0.30
VCRHS0705-152K	1500±10%	5258.0	6309.6	0.25	0.28	0.23
VCRHS0705-222K	2200±10%	6589.0	7906.8	0.15	0.25	0.20

VCRHS1208 Series

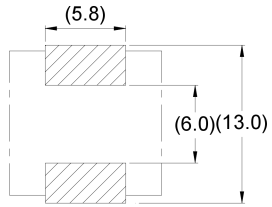
- Low DC resistance, high rated current.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Operating temperature: -55℃～+150℃(Including coil's temperature rise)
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

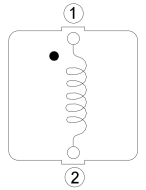


Marking

Reference Land Pattern (mm)



Schematic

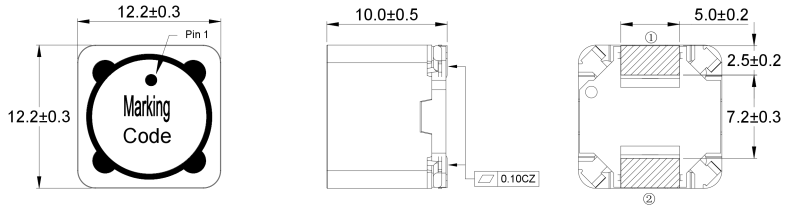


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)
		Typ.	Max.	10% Drop	30% Drop	Typ.
VCRHS1208-1R1M	1.10±20%	4.30	5.20	27.0	33.0	12.0
VCRHS1208-2R5M	2.50±20%	6.40	7.70	19.0	22.0	10.0
VCRHS1208-4R7M	4.70±20%	11.0	13.0	13.0	16.0	9.20
VCRHS1208-6R8M	6.80±20%	14.0	17.0	10.0	12.5	7.50
VCRHS1208-100M	10.0±20%	17.5	21.0	9.00	10.5	6.00
VCRHS1208-150M	15.0±20%	21.3	25.6	7.50	9.30	5.60
VCRHS1208-220M	22.0±20%	34.0	40.8	6.00	7.20	4.30
VCRHS1208-330M	33.0±20%	44.5	53.4	4.80	6.00	3.80
VCRHS1208-470M	47.0±20%	59.5	71.4	4.30	5.50	3.20
VCRHS1208-560M	56.0±20%	80.0	95.0	3.90	4.70	2.90
VCRHS1208-680M	68.0±20%	86.0	103.0	3.30	4.20	2.70
VCRHS1208-101L	100.0±15%	135.0	156.0	2.80	3.50	2.30
VCRHS1208-221L	220.0±15%	262.0	325.0	1.90	2.50	1.56
VCRHS1208-331L	330.0±15%	380.0	456.0	1.60	2.00	1.30
VCRHS1208-471L	470.0±15%	540.0	640.0	1.30	1.75	1.10
VCRHS1208-561L	560.0±15%	680.0	816.0	1.15	1.50	0.98
VCRHS1208-681L	680.0±15%	760.0	910.0	1.10	1.37	0.90
VCRHS1208-102K	1,000±10%	1,090	1,300	0.87	1.10	0.77
VCRHS1208-222K	2,200±10%	2,600	3,120	0.60	0.73	0.47

VCRHS1210 Series

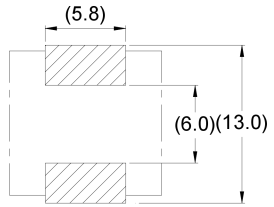
- Low DC resistance, high rated current.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Operating temperature: -55℃～+150℃(Including coil's temperature rise)
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

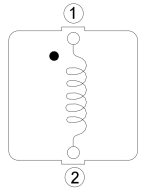


Marking

Reference Land Pattern (mm)



Schematic

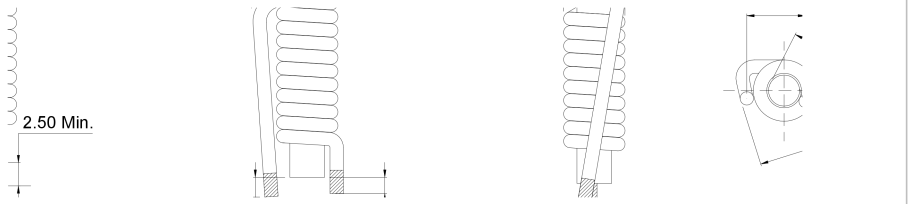


Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)
		Typ.	Max.	10% Drop	30% Drop	Typ.
VCRHS1210-4R7M	4.70±20%	8.70	10.4	13.5	17.0	8.80
VCRHS1210-6R8M	6.80±20%	9.80	11.8	11.0	14.0	8.30
VCRHS1210-100M	10.0±20%	14.5	17.0	9.50	11.0	6.60
VCRHS1210-150M	15.0±20%	17.2	20.6	8.50	10.0	6.30
VCRHS1210-220M	22.0±20%	21.5	27.0	6.50	7.80	5.00
VCRHS1210-330M	33.0±20%	31.5	39.0	5.40	6.70	4.20
VCRHS1210-470M	47.0±20%	45.0	54.0	4.50	5.50	3.60
VCRHS1210-680M	68.0±20%	71.5	85.8	3.60	4.50	3.10
VCRHS1210-101L	100.0±15%	100.0	120.0	3.00	3.70	2.60
VCRHS1210-221L	220.0±15%	196.0	235.0	2.00	2.50	1.85
VCRHS1210-331L	330.0±15%	320.0	384.0	1.60	2.00	1.45
VCRHS1210-471L	470.0±15%	435.0	520.0	1.40	1.80	1.25
VCRHS1210-681L	680.0±15%	640.0	768.0	1.20	1.45	1.03
VCRHS1210-102K	1,000±10%	910.0	1,080	0.95	1.15	0.86

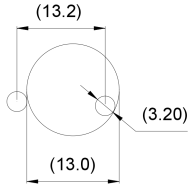
VRKL0740 Series

- Use ferrite core, high frequency.
- Low DC resistance, high saturation current.
- Lead free product, RoHS compliant.
- Widely used in switching power supply, power amplifier, output antenna, filter, displayer, UPS, and etc.
- AEC-Q200 compliant products.
- Operating temperature: -40℃ ～ +150℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



Reference Hole Pattern (mm)



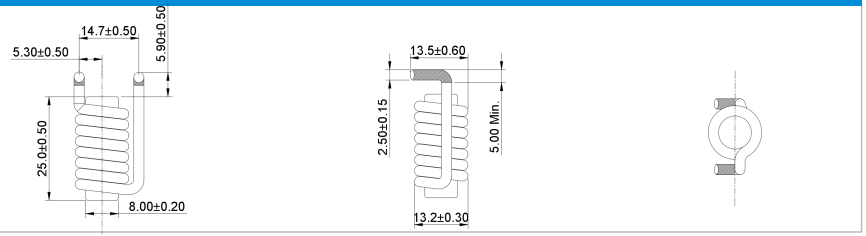
Schematic

Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VRKL0740-3R3M	3.30	1.11	1.30	31.0	30.0

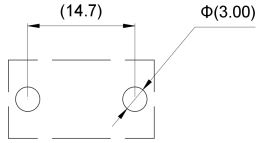
VRKL0825A Series

- Use ferrite core, high frequency.
- Low DC resistance, high saturation current.
- Lead free product, RoHS compliant.
- Widely used in switching power supply, power amplifier, output antenna, filter, displayer, UPS, and etc.
- AEC-Q200 compliant products.
- Operating temperature: -40℃ ～ +150℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



Reference Hole Pattern (mm)

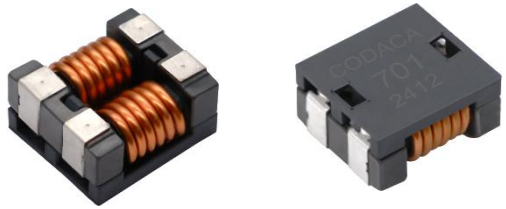


Schematic

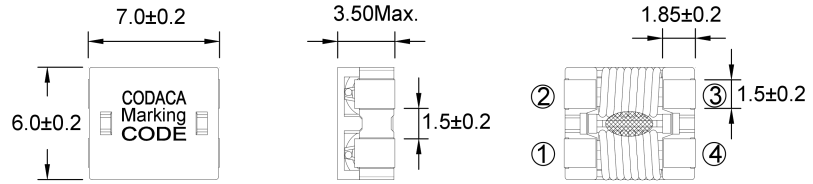
Part No.	Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)	Temperature Rise Current (A)
	±20%	Typ.	Max.	Typ.	Typ.
VRKL0825A-1R8M	1.80	1.02	1.20	33.0	34.0

VSTP0740 Series

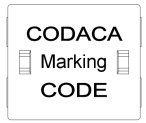
- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.
- Operating temperature: -50℃ ～ +150℃(Including coil's temperature rise)



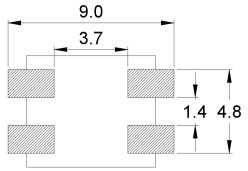
Appearance and Dimensions (mm)



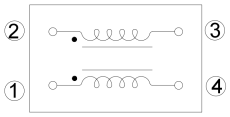
Marking



Reference Land Pattern (mm)



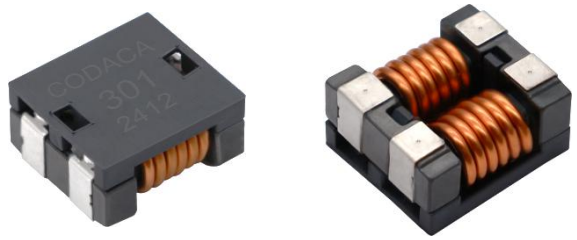
Schematic



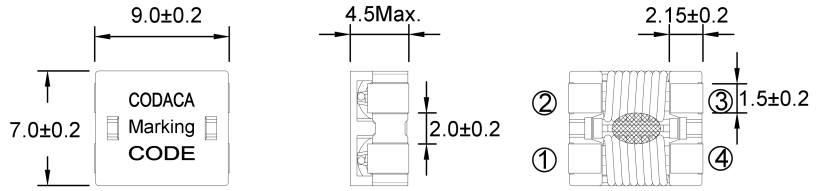
Part No.	Inductance (μH)		Impedance (Ω)		D.C.R. (mΩ)		Rated Current (A)	Rated Voltage (V)	Frequency Range (MHz)
	Min.	Typ.	Min.	Typ.	Typ.	Max.	Max.	Max.	Min.
VSTP0740-301	1.00	2.72	225	300	7.15	9.50	5.20	80.0	10.0
VSTP0740-501	2.20	4.10	300	500	9.10	12.0	5.00	80.0	10.0
VSTP0740-701	4.00	6.89	500	700	10.6	14.0	4.00	80.0	10.0
VSTP0740-102	5.00	9.40	800	1000	15.0	19.5	3.60	80.0	10.0
VSTP0740-102A	0.20	3.80	800	1000	15.0	19.5	3.60	80.0	10.0

VSTP0950 Series

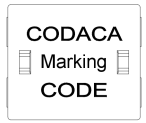
- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.
- Operating temperature: -50℃ ～ +150℃(Including coil's temperature rise)



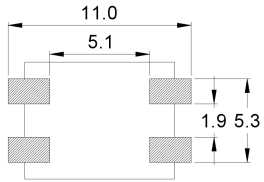
Appearance and Dimensions (mm)



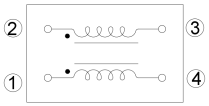
Marking



Reference Land Pattern (mm)



Schematic

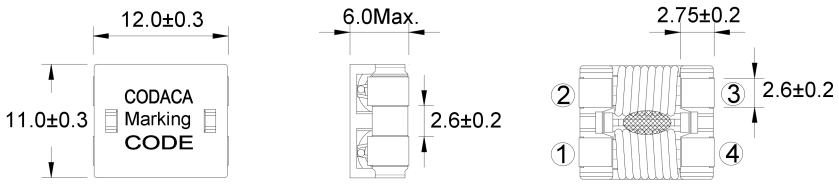


Part No.	Inductance (μH)		Impedance (Ω)		D.C.R. (mΩ)		Rated Current (A)	Rated Voltage (V)	Frequency Range (MHz)
	Min.	Typ.	Min.	Typ.	Typ.	Max.	Max.	Max.	Min.
VSTP0950-301	1.00	2.40	180	300	4.65	6.00	6.00	80.0	10.0
VSTP0950-701	3.00	7.30	500	700	7.20	9.50	5.00	80.0	10.0
VSTP0950-102	4.00	8.80	750	1000	8.82	11.50	4.00	80.0	10.0
VSTP0950-152	7.00	14.0	1100	1500	11.2	16.0	5.40	80.0	10.0
VSTP0950-202	9.80	17.0	1400	2000	19.7	26.0	2.50	80.0	10.0

VSTP1260 Series

- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.
- Operating temperature: -50℃ ～ +150℃(Including coil's temperature rise)

Appearance and Dimensions (mm)



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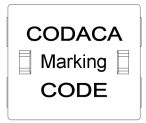
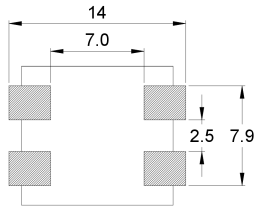
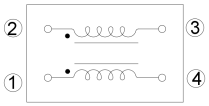


Reference Land Pattern (mm)



Schematic

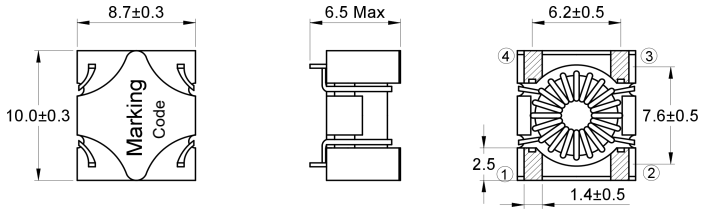


Part No.	Inductance (μH)		Impedance (Ω)		D.C.R. (mΩ)		Rated Current (A)	Rated Voltage (V)	Frequency Range (MHz)
	Min.	Typ.	Min.	Typ.	Typ.	Max.	Max.	Max.	Min.
VSTP1260-351	2.20	3.70	240	350	2.08	2.70	10.0	80.0	10.0
VSTP1260-701	5.00	10.0	500	700	3.30	4.50	8.00	80.0	10.0
VSTP1260-102	13.2	22.0	750	1000	7.76	10.5	6.00	80.0	10.0
VSTP1260-172	17.5	28.6	1200	1700	9.50	12.5	4.80	80.0	10.0
VSTP1260-202	18.0	29.8	1400	2000	13.5	17.5	4.00	80.0	10.0

VSTCB1060R Series

- Excellent impedance characteristics, making it great for suppressing common mode noise.
- Low profile design makes it optimal for surface mounting.
- Measures against common mode noise in power lines for various DC power lines, multimedia devices, and various electronic devices, including automotive power trains.
- Operating temperature: -40℃ ～ +125℃(Including coil's temperature rise).

Appearance and Dimensions (mm)



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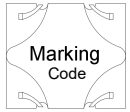
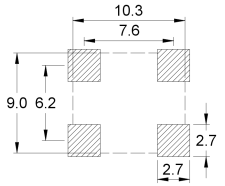
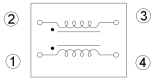


Reference Land Pattern (mm)



Schematic

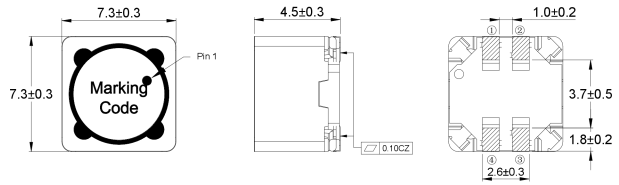


Part No.	Inductance (mH)	Impedance (Ω)	Leakage Inductance (nH)	D.C.R. (mΩ)	Rated Current (A)	Rated Voltage (V)	Frequency Range (MHz)
	±40%	Min.	Typ.	Max.	Max.	Max.	Min.
VSTCB1060R-202	2.00	2,100	220	290	0.75	80.0	0.50~15.0
VSTCB1060R-302	3.00	3,200	330	330	0.65	80.0	0.50~10.0
VSTCB1060R-402	4.00	4,200	450	550	0.52	80.0	0.50~5.00
VSTCB1060R-502	5.00	5,300	650	680	0.35	80.0	0.50~3.00

VCRHC0704 Series

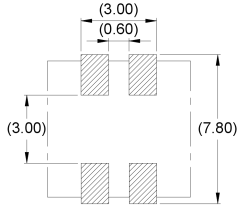
- Bifilar Winding, high coupling factor.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Can be used in series or parallel, suitable for SEPIC, Zeta and other circuit topologies.
- Operating temperature: -55℃～+150℃(Including coil's temperature rise).
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

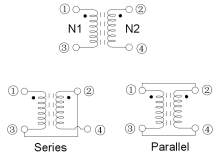


Marking

Reference Land Pattern (mm)



Schematic

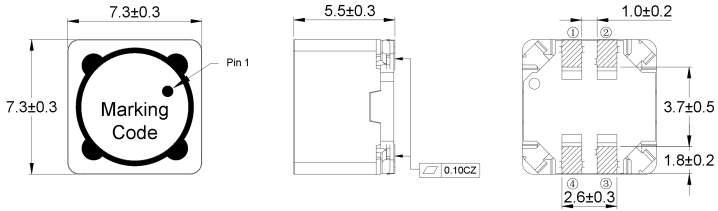


Part No.	Inductance (μH)	Leakage Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	HI-POT (Vdc)
	±20%		Typ.	Max.	10% Drop	30% Drop	Typ.	1mA,1s
VCRHC0704-2R2M	2.20	0.13	32.0	38.0	6.10	7.10	4.70	500
VCRHC0704-3R3M	3.30	0.15	38.9	46.0	5.10	5.80	4.20	500
VCRHC0704-4R7M	4.70	0.17	47.0	56.0	4.30	4.70	3.60	500
VCRHC0704-6R8M	6.80	0.18	65.0	78.0	3.70	4.27	3.10	500
VCRHC0704-100M	10.0	0.22	96.0	115	3.10	3.40	2.67	500
VCRHC0704-150M	15.0	0.25	144	170	2.30	2.75	2.30	500
VCRHC0704-220M	22.0	0.38	176	210	2.05	2.33	2.00	500
VCRHC0704-330M	33.0	0.45	265	310	1.70	1.94	1.53	500
VCRHC0704-470M	47.0	0.52	390	450	1.40	1.65	1.25	500

VCRHC0705 Series

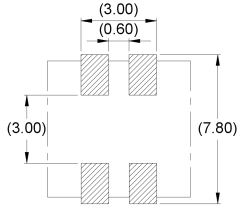
- Bifilar Winding, high coupling factor.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Can be used in series or parallel, suitable for SEPIC, Zeta and other circuit topologies.
- Operating temperature: -55℃～+150℃(Including coil's temperature rise).
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

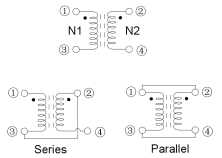


Marking

Reference Land Pattern (mm)



Schematic

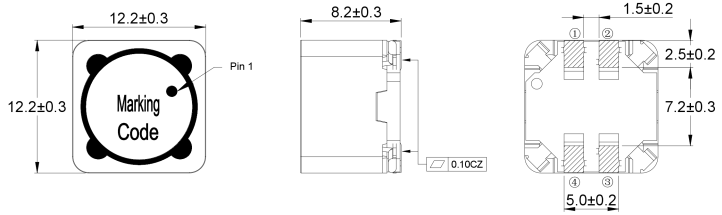


Part No.	Inductance (μH)	Leakage Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	HI-POT (Vdc)
	±20%		Typ.	Max.	10% Drop	30% Drop	Typ.	1mA,1s
VCRHC0704-2R2M	2.20	0.13	32.0	38.0	6.10	7.10	4.70	500
VCRHC0704-3R3M	3.30	0.15	38.9	46.0	5.10	5.80	4.20	500
VCRHC0704-4R7M	4.70	0.17	47.0	56.0	4.30	4.70	3.60	500
VCRHC0704-6R8M	6.80	0.18	65.0	78.0	3.70	4.27	3.10	500
VCRHC0704-100M	10.0	0.22	96.0	115	3.10	3.40	2.67	500
VCRHC0704-150M	15.0	0.25	144	170	2.30	2.75	2.30	500
VCRHC0704-220M	22.0	0.38	176	210	2.05	2.33	2.00	500
VCRHC0704-330M	33.0	0.45	265	310	1.70	1.94	1.53	500
VCRHC0704-470M	47.0	0.52	390	450	1.40	1.65	1.25	500

VCRHC1208 Series

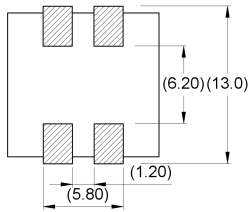
- Bifilar Winding, high coupling factor.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Can be used in series or parallel, suitable for SEPIC, Zeta and other circuit topologies.
- Operating temperature: -55℃～+150℃(Including coil's temperature rise).
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

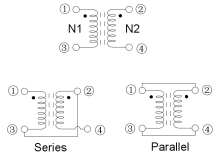


Marking

Reference Land Pattern (mm)



Schematic

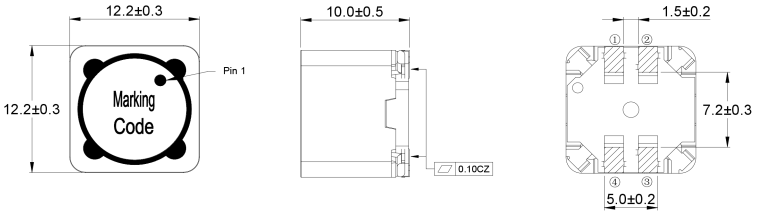


Part No.	Inductance (μH)	Leakage Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	HI-POT (Vdc)
			Typ.	Max.	10% Drop	30% Drop	Typ.	1mA,1s
VCRHC1208-4R7N	4.70±30%	0.23	18.0	21.6	12.0	14.2	9.20	500
VCRHC1208-6R8M	6.80±20%	0.25	23.6	28.3	10.5	11.9	7.50	500
VCRHC1208-100M	10.0±20%	0.30	35.0	42.0	8.00	9.51	6.00	500
VCRHC1208-150M	15.0±20%	0.43	44.0	52.0	6.80	8.06	5.60	500
VCRHC1208-220M	22.0±20%	0.49	67.0	78.0	5.80	6.60	4.30	500
VCRHC1208-270M	27.0±20%	0.51	78.3	93.0	5.10	6.01	4.05	500
VCRHC1208-330M	33.0±20%	0.58	88.4	106.0	4.50	5.29	3.80	500
VCRHC1208-470M	47.0±20%	0.66	120.0	142.0	4.00	4.56	3.20	500
VCRHC1208-680M	68.0±20%	0.79	175.0	205.0	3.30	3.78	2.70	500

VCRHC1210 Series

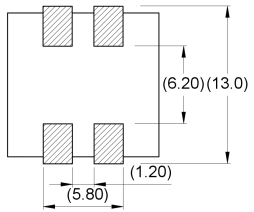
- Bifilar Winding, high coupling factor.
- Magnetic shielded structure,excellent resistance to electro magnetic interference(EMI).
- Can be used in series or parallel, suitable for SEPIC, Zeta and other circuit topologies.
- Operating temperature: -55℃～+150℃(Including coil's temperature rise).
- AEC-Q200 qualified.

Appearance and Dimensions (mm)

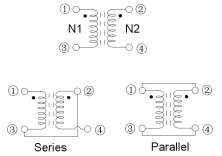


Marking

Reference Land Pattern (mm)



Schematic



Part No.	Inductance (μH)	Leakage Inductance (μH)	D.C.R. (mΩ)		Saturation Current (A)		Temperature Rise Current (A)	HI-POT (Vdc)
			Typ.	Max.	10% Drop	30% Drop	Typ.	1mA,1s
VCRHC1210-4R7N	4.70±30%	0.26	17.4	20.9	13.5	17.0	8.80	500
VCRHC1210-6R8M	6.80±20%	0.28	19.8	23.8	11.0	13.0	8.30	500
VCRHC1210-100M	10.0±20%	0.30	25.0	29.0	9.20	10.7	6.70	500
VCRHC1210-120M	12.0±20%	0.32	31.5	37.8	8.40	9.70	6.50	500
VCRHC1210-150M	15.0±20%	0.35	34.5	41.0	7.80	9.00	6.30	500
VCRHC1210-220M	22.0±20%	0.44	44.0	52.0	6.20	7.18	5.00	500
VCRHC1210-330M	33.0±20%	0.52	63.0	75.0	5.10	6.02	4.20	500
VCRHC1210-470M	47.0±20%	0.63	88.0	105.0	4.20	4.85	3.60	500

CODACA

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