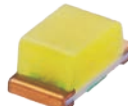
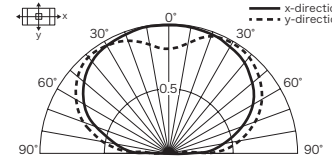
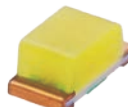
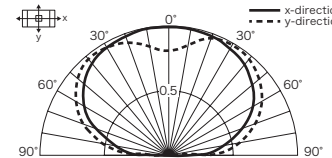
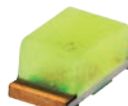
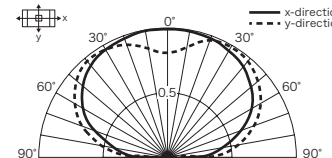
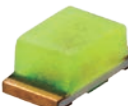
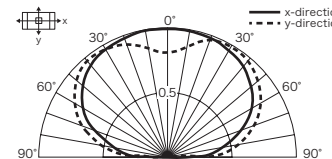
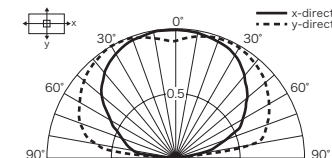
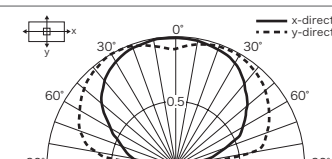
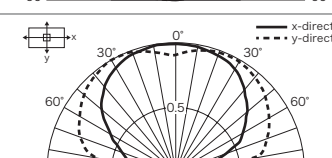
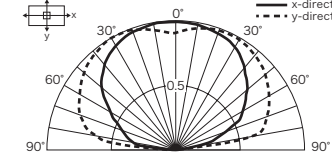
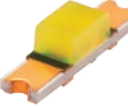
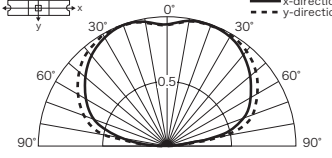


SINGLE-COLOR LEDs



Ta=25°C

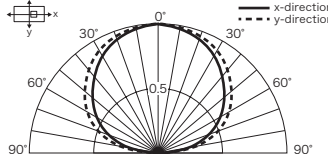
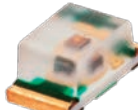
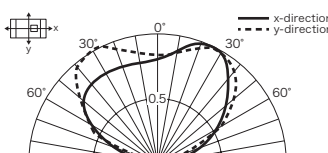
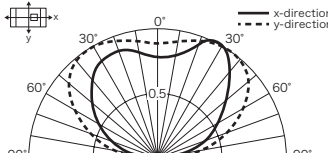
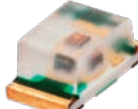
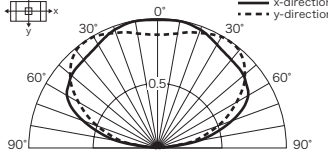
パッケージ Package	品名 Part name	電気の光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Typ.	Max.	mA/℃	℃										
単位 (Units)			-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.	
 1.4mg	VCEW1151CDS-3BZH3		0.281	0.263	—	82	120	3.1	3.5	160 / 168		10	20	0.80	85	−40〜+100	−40〜+110	4,000	
 1.4mg	VXGW1151CDS		0.293	0.281	—	68	91	3.0	3.5	160 / 168		10	20	0.80	85	−40〜+100	−40〜+110	4,000	
 1.4mg	VCEW1151CCS-3BZD4		0.192	0.270	—	82	110	3.1	3.5	160 / 168		10	20	0.80	85	−40〜+100	−40〜+110	4,000	
 1.4mg	VCEW1151CA3S-3BYX2		0.179	0.162	—	68	91	3.1	3.5	160 / 168		10	20	0.80	85	−40〜+100	−40〜+110	4,000	
 2.0mg	VXKW115ACDS		0.292	0.294	—	560	820	2.9	3.4	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
	VXJW115ACDS		0.292	0.294	—	180	330	3.1	3.9	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
 2.0mg	VXKW115ACCS		0.200	0.268	—	470	740	2.9	3.4	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
	VXJW115ACCS		0.200	0.268	—	150	300	3.1	3.9	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
 2.0mg	VXKW115ACA3S		0.190	0.170	—	390	560	2.9	3.4	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
	VXJW115ACA3S		0.190	0.170	—	120	220	3.1	3.9	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
 2.0mg	VXKB111ACS		—	—	468	150	220	3.0	3.4	133 / 163		20	25	1.00	85	−40〜+100	−40〜+110	4,000	
 2.54mg	VCEW1154RDS (reverse mount type)		0.285	0.299	—	68	120	3.1	3.5	160 / 168		10	20	0.80	85	−40〜+100	−40〜+110	3,500	

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SINGLE-COLOR LEDs



Ta=25°C

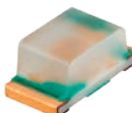
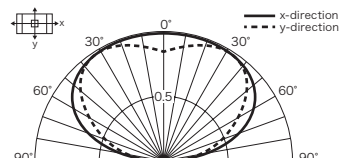
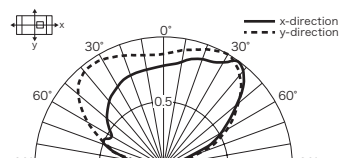
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v		順電圧 Forward voltage V _F		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					ΔI _F	Derating start temp.				
単位 (Units)			-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.	
L1.0 x W0.5 x H0.25  0.29mg	FHD1105P		-	-	570	6.3	9	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHY1105P		-	-	590	22.5	32	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHA1105P		-	-	604	28	40	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
	FHR1105P		-	-	623	22.5	32	1.9	2.4	130 / 150		5	20	0.27	25	-40~+85	-40~+100	10,000	
L1.6 x W0.8 x H0.7  1.4mg	VCDB1111C-5AY3B		-	-	470	6.8	10	3.0	3.3	110 / 130		5	8	0.50	85	-40~+100	-40~+105	4,000	
	VCDG1111C-4BY3C		-	-	530	68	100	3.0	3.3	110 / 130		5	20	0.40	60	-40~+100	-40~+105	4,000	
	VFHL1111C-4B23C		-	-	562	12	18	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHD1111C-3B72B		-	-	572	33	43	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHY1111C-3BX2D		-	-	590	56	75	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHA1111C-3BZ2C		-	-	605	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHV1111C-3BY2B		-	-	615	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VFHR1111C-3BY2A		-	-	626	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40~+100	-40~+105	4,000	
L1.6 x W0.8 x H0.7  1.4mg	VJDY1111C-4C54C		-	-	589	220	330	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDA1111C-4C72C		-	-	606	330	470	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDV1111C-4C74A		-	-	616	330	470	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDR1111C-4C52A		-	-	626	220	330	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	
	VJDR1111C-4C21C		-	-	635	120	180	2.1	2.5	140 / 140		20	30	1.00	75	-40~+100	-40~+105	4,000	

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SINGLE-COLOR LEDs



Ta=25°C

パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Derating start temp.	℃												
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.		
L1.6 x W0.8 x H0.7  1.4mg	XPG1111C		-	-	526	120	170	2.9	3.2	140 / 140		5	20	0.26	25	-40～+85	-40～+100	4,000	
L1.62 x W0.8 x H0.8  1.8mg	YBG1101C-M		-	-	562	4.3	12	2.0	2.5	110 / 130		20	30	0.43	25	-40～+85	-40～+100	4,000	
	YPY1101C-2005-M		-	-	569	4	8	2.0	2.4	120 / 130		5	30	0.43	25	-40～+85	-40～+100	4,000	
	YPY1101C-M		-	-	571	19.8	35	2.1	2.5	120 / 130		20	30	0.43	25	-40～+85	-40～+100	4,000	
	FY1101C-2005-M		-	-	590	10	20	1.9	2.4	130 / 130		5	30	0.43	25	-40～+85	-40～+100	4,000	
	FY1101C-M		-	-	590	35	65	1.9	2.4	130 / 130		20	30	0.43	25	-40～+85	-40～+100	4,000	
	FA1101C-2005-M		-	-	605	10	25	1.9	2.4	130 / 130		5	30	0.43	25	-40～+85	-40～+100	4,000	
	FA1101C-M		-	-	605	35	90	2.0	2.4	130 / 130		20	30	0.43	25	-40～+85	-40～+100	4,000	
	FR1101C-2005-M		-	-	623	10	20	1.9	2.4	130 / 130		5	30	0.43	25	-40～+85	-40～+100	4,000	
	FR1101C-M		-	-	626	35	80	2.0	2.4	130 / 130		20	30	0.43	25	-40～+85	-40～+100	4,000	

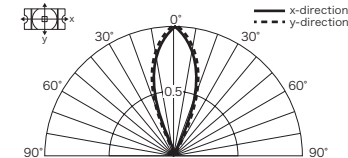
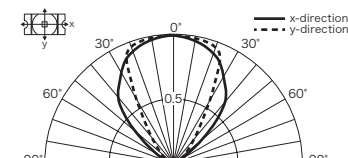


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SINGLE-COLOR LEDs



Ta=25°C

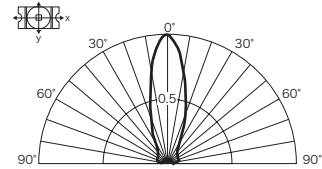
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v		順電圧 Forward voltage V _F		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					ΔI _F	Derating start temp.				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.		
L1.64 x W0.84 x H1.15  1.7mg	VCDB1104P-4B83B		-	-	470	39	56	3.0	3.3	45 / 50		5	8	0.50	85	-40~+100	-40~+105	3,000	
	VCDG1104P-5C63C		-	-	530	270	470	3.0	3.3	45 / 50		5	20	0.40	60	-40~+100	-40~+105	3,000	
	VFHL1104P-4B63C		-	-	562	27	40	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHD1104P-4BY2B		-	-	573	68	100	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHY1104P-4C42D		-	-	589	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDY1104P-4CY3C		-	-	589	680	1,000	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHA1104P-4C42C		-	-	606	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDA1104P-4D12C		-	-	606	1,000	1,500	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHV1104P-4C62B		-	-	616	270	420	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDV1104P-4D13A		-	-	615	1,000	1,500	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHR1104P-4C42A		-	-	626	180	250	1.9	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1104P-4CZ2A		-	-	626	820	1,200	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1104P-4C81C		-	-	635	390	560	2.1	2.5	80 / 65		20	30	1.00	75	-40~+100	-40~+105	3,000	

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SINGLE-COLOR LEDs



Ta=25°C

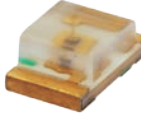
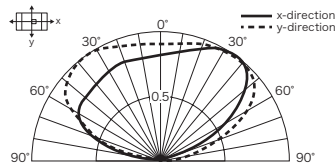
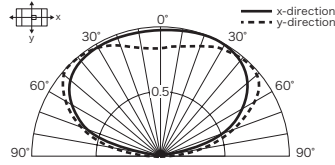
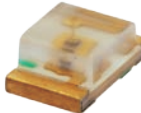
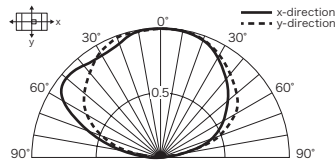
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v		順電圧 Forward voltage V _F		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					°C	Derating start temp.				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
L1.64 x W0.84 x H1.26  1.7mg	VFHL1116P-4BX3C		-	-	562	56	82	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHD1116P-4C32B		-	-	573	150	220	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFJD1116P-4C62B		-	-	573	270	390	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHY1116P-4C82D		-	-	589	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDY1116P-4D33C		-	-	589	1,500	2,200	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VFHA1116P-4C82C		-	-	606	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDA1116P-4D52C		-	-	606	2,200	3,300	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDV1116P-4D43A		-	-	615	1,800	2,700	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3000	
	VFHR1116P-4C82A		-	-	626	390	560	1.9	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1116P-4D32A		-	-	626	1,500	2,200	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	
	VJDR1116P-4CZ1C		-	-	635	820	1,500	2.1	2.5	35 / 35		20	30	1.00	75	-40~+100	-40~+105	3,000	

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SINGLE-COLOR LEDs



Ta=25°C

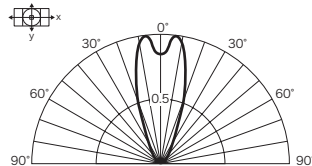
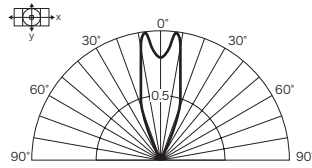
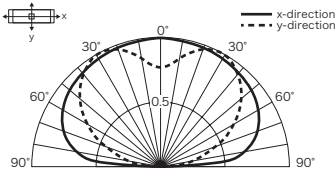
パッケージ Package	品名 Part name	電気の光学的特性 / Electro-optical characteristics										絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F	Derating start temp.	動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Typ.	Max.												
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.		
L2.0 x W1.25 x H0.8  2.84mg	VCDB1112H-5AY3B		-	-	470	6.8	10	3.0	3.3	130 / 140		5	8	0.50	85	-40～+100	-40～+105	4,000	
	VCDG1112H-4BY3C		-	-	530	68	100	3.0	3.3	130 / 140		5	20	0.40	60	-40～+100	-40～+105	4,000	
	VFHL1112H-4B13C		-	-	562	10	15	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
	VFHD1112H-3B72B		-	-	572	33	43	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
	VFHY1112H-3BY2D		-	-	590	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
	VFHA1112H-3BZ2C		-	-	605	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
	VFHV1112H-3BZ2B		-	-	615	82	110	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
	VFHR1112H-3BY2A		-	-	626	68	91	1.9	2.4	140 / 150		20	30	1.00	75	-40～+100	-40～+105	4,000	
L2.0 x W1.25 x H0.8  2.84mg	FKY1112H		-	-	588	150	270	2.1	2.6	140 / 140		20	30	0.40	25	-40～+85	-40～+100	4,000	
	FKA1112H		-	-	605	220	390	2.1	2.6	140 / 140		20	30	0.40	25	-40～+85	-40～+100	4,000	
	FKR1112H		-	-	623	150	270	2.1	2.6	140 / 140		20	30	0.40	25	-40～+85	-40～+100	4,000	

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SINGLE-COLOR LEDs



Ta=25°C

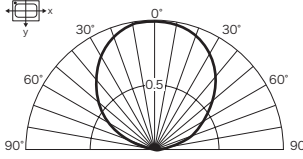
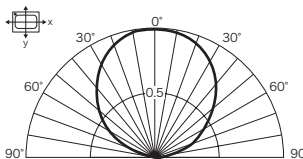
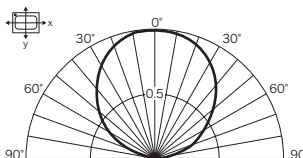
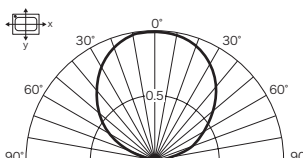
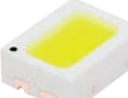
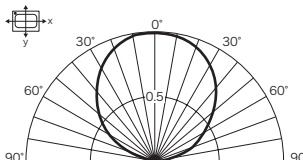
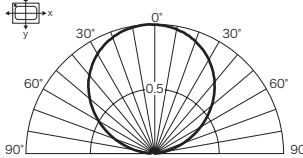
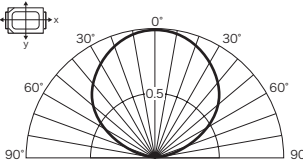
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics									絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v		順電圧 Forward voltage V _F		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					°C	Derating start temp. °C				
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	pcs.		
L3.2 x W1.6 x H1.85  7.81mg	VFJD1105W-5C63A		-	-	572	270	430	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+105	2,000	
	VFJY1105W-4C92D		-	-	589	470	680	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+105	2,000	
	VFR1105W-6C9		-	-	626	470	820	1.9	2.4	40 / 40		20	30	1.00	75	-40~+100	-40~+120	2,000	
L3.2 x W1.6 x H1.85  7.81mg	FKY1105W		-	-	589	1,000	2,200	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2,000	
	FKA1105W		-	-	605	1,500	3,300	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2,000	
	FKR1105W		-	-	624	1,000	2,200	2.2	2.6	35 / 35		20	30	1.00	75	-40~+100	-40~+105	2,000	
L2.1 x W1.0 x H0.6  2.1mg	VCDG1113F-4BY3C		-	-	530	68	100	3.0	3.3	170 / 135		5	20	0.40	60	-40~+100	-40~+105	4,000	
	YPY1113F-1215		-	-	572	6.3	10	1.9	2.4	140 / 150		5	15	0.21	25	-40~+85	-40~+100	4,000	
	FKY1113F		-	-	589	150	270	2.1	2.6	140 / 130		20	30	0.40	25	-40~+85	-40~+100	4,000	
	FKR1113F		-	-	625	150	275	2.1	2.6	140 / 130		20	30	0.40	25	-40~+85	-40~+100	4,000	

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SINGLE-COLOR LEDs



Ta=25°C

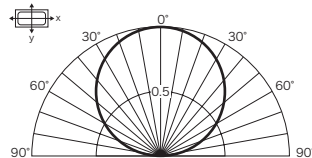
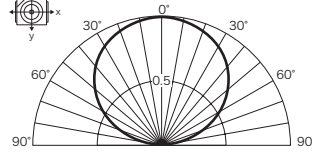
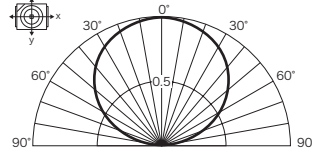
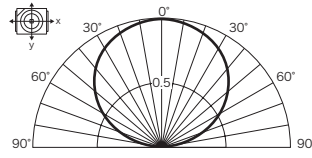
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{*1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v		順電圧 Forward voltage V _F		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F		動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Min.	Typ.	Typ.	Max.					Derating start temp.	℃				
単位 (Units)			-		nm	mcd		V		deg.	-	mA	mA	mA/℃	℃	℃	℃	pcs.	
 8.2mg	VCEW1152GDS-3C2F3		0.257	0.228	—	120	180	3.2	3.5	115 / 115		10	20	0.80	85	−40〜+100	−40〜+110	3,000	
	VXKW1152GDS-3D2Z2		0.243	0.237	—	1,200	1,950	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	3,000	
	VCTW1152GDS		0.2975	0.3028	—	2,200	3,500	2.8	3.2	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	3,000	
 8.2mg	VCEW1152GCS		0.200	0.300	—	82	150	3.2	3.5	115 / 115		10	20	0.80	85	−40〜+100	−40〜+110	3,000	
	VXKW1152GCS		0.200	0.267	—	1,000	2,150	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	3,000	
 8.2mg	VCEW1152GA3S		0.172	0.142	—	68	120	3.2	3.5	115 / 115		10	20	0.80	85	−40〜+100	−40〜+110	3,000	
	VXKW1152GA3S		0.190	0.170	—	680	1,690	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	3,000	
 8.2mg	VXLB1112GS		—	—	470	470	700	2.8	3.3	115 / 115		30	40	1.60	85	−40〜+100	−40〜+110	3,000	
	VCSG1112GS		—	—	525	1,000	1,400	2.8	3.2	115 / 115		20	30	1.20	85	−40〜+100	−40〜+110	3,000	
 8.2mg	VCEL1152GS		0.368	0.587	—	120	210	3.2	3.5	115 / 115		10	20	0.80	85	−40〜+100	−40〜+110	3,000	
 8.2mg	VFSY1112GS-3CY2D		—	—	590	680	900	2.0	2.8	115 / 115		20	70	2.80	85	−40〜+100	−40〜+110	3,000	
	VFSV1112GS-3CY2A		—	—	613	680	1,000	2.0	2.8	115 / 115		20	70	2.80	85	−40〜+100	−40〜+110	3,000	
	VFSR1112GS-3CX2A		—	—	624	560	700	2.0	2.8	115 / 115		20	70	2.80	85	−40〜+100	−40〜+110	3,000	
 8mg	VCEW1158LDS-3C3K3		0.304	0.298	—	150	190	3.1	3.5	120 / 120		10	20	0.80	85	−40〜+100	−40〜+110	3,000	

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SINGLE-COLOR LEDs



Ta=25°C

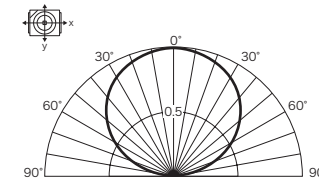
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										絶対最大定格 / Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F Derating start temp.		動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Typ.	Max.	°C	°C										
単位 (Units)		-		nm	mcd		V		deg.		-	mA	mA	mA/°C	°C	°C	°C	pcs.	
L3.0 x W1.4 x H0.67  7.4mg	VXLW1155GDS-3D7K3		0.304	0.298	—	3,300	4,000	2.8	3.3	115 / 115		30	170	5.67	95	−40〜+100	−40〜+120	3,000	
L3.5 x W2.8 x H1.9  33mg	VCEW1154LDS-3C4K3		0.304	0.298	—	180	250	3.1	3.5	115 / 115		10	20	0.57	85	−40〜+100	−40〜+120	2,000	
	VXKW1154LDS-3D4L3		0.316	0.356	—	1,800	2,550	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	2,000	
L3.5 x W2.8 x H1.9  33mg	VXKW1154LCS		0.200	0.267	—	1,200	2,550	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	2,000	
L3.5 x W2.8 x H1.9  33mg	VXKW1154LA3S		0.190	0.170	—	680	1,690	2.9	3.5	115 / 115		30	40	1.14	85	−40〜+100	−40〜+120	2,000	

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SINGLE-COLOR LEDs



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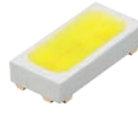
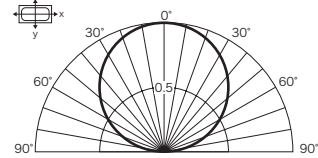
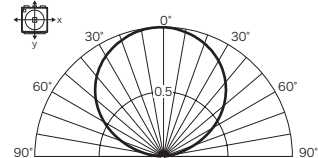
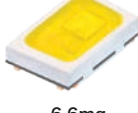
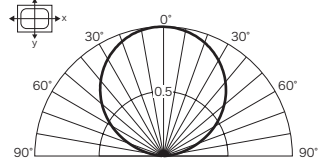
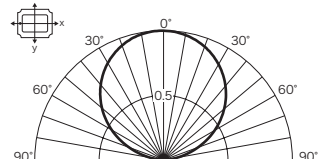
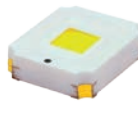
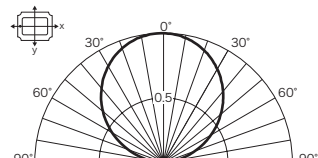
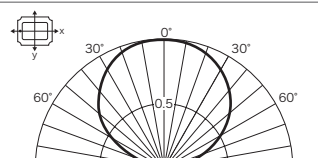
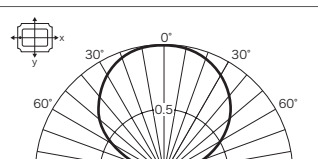
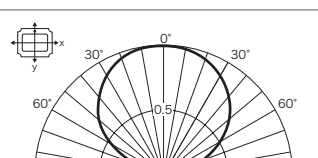
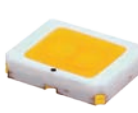
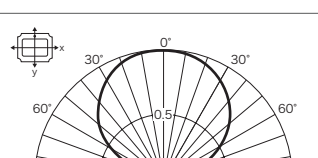
パッケージ Package	品名 Part name	電氣的光学的特性／Electro-optical characteristics									絶対最大定格／Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光度 Luminous intensity I _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F	Derating start temp.	動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Typ.	Max.	°C	°C										
単位 (Units)		-		nm	mcd		V		deg.	-	mA	mA	mA/°C	°C	°C	°C	°C	pcs.	
L3.5 x W2.8 x H1.9  33mg	VCEB1104LS-4B83A		-	-	466	39	56	3.1	3.5	115 / 115		10	20	0.57	85	-40～+100	-40～+120	2,000	
	VCEG1104LS		-	-	525	82	250	3.2	3.6	115 / 115		10	20	0.57	85	-40～+100	-40～+120	2,000	
	VFHG1104LS		-	-	561	18	25	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFJP1104LS		-	-	572	82	120	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFHY1104LS		-	-	589	120	170	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFJY1104LS		-	-	589	180	255	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFGY1104LS		-	-	589	470	645	2.2	2.6	120 / 120		50	70	1.43	71	-40～+100	-40～+120	2,000	
	VFSY1104LS		-	-	592	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40～+100	-40～+120	2,000	
	VFHA1104LS		-	-	606	120	170	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFGA1104LS		-	-	606	680	910	2.2	2.6	120 / 120		50	70	1.43	71	-40～+100	-40～+120	2,000	
	VFGV1104LS		-	-	616	680	940	2.2	2.6	120 / 120		50	70	1.43	71	-40～+100	-40～+120	2,000	
	VFSV1104LS		-	-	616	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40～+100	-40～+120	2,000	
	VFHR1104LS		-	-	626	100	140	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFJR1104LS		-	-	632	150	210	2.0	2.5	120 / 120		20	30	0.86	85	-40～+100	-40～+120	2,000	
	VFSR1104LS		-	-	626	1,500	2,000	2.2	2.8	120 / 120		50	70	1.56	75	-40～+100	-40～+120	2,000	

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※1 CIE1931に基づく/In accordance with CIE1931

SINGLE-COLOR LEDs



Ta=25°C

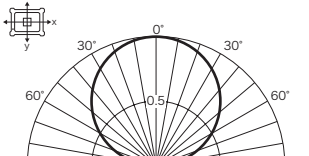
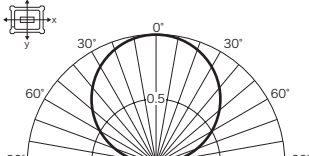
パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										熱的特性 / Thermal characteristics		絶対最大定格 / Absolute maximum ratings							標準梱包 数量 Standard qty./Reel	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光束 Luminous flux Φ _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	熱抵抗 [ジャンクション-はんだ付け位置] Thermal resistance [Junction - solder point] R _{th(j-s)} Typ. Max.		順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F Derating start temp.		ジャンクション温度 Junction temperature T _j	動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Typ.	Max.	Typ.	Max.				℃/W	mA		mA/℃	℃					
単位 (Units)			-		nm	lm		V		deg.	-	mA	℃/W		mA	mA/℃	℃	℃	℃	℃	pcs.	
 7.4mg	BXLW1155GDS-3B5K3		0.304	0.298	-	22	30	3.0	3.5	115 / 115		80	40	-	170	5.67	95	125	-40~+100	-40~+120	3,000	
	BXMW1159GDSE		0.300	0.300	-	22	34	3.1	3.5	115 / 115		80	20	-	170	11.31	110	125	-40~+100	-40~+120	3,000	
 43mg	HFTY1108GS-P		-	-	583	2.8 cd ^{※2}	4.2 cd ^{※2}	2.4	2.8	120 / 120		140	44	52	5~200	4.8	85	125	-40~+110	-40~+110	1,000	
	HFTV1108GS-P		-	-	617	7.1 cd ^{※2}	8 cd ^{※2}	2.15	2.5	120 / 120		140	30	39	5~200	5.0	90	125	-40~+110	-40~+110	1,000	
	HFTR1108GS-11-P		-	-	630	3.6 cd ^{※2}	5.6 cd ^{※2}	2.10	2.5	120 / 120		140	30	39	5~200	5.0	90	125	-40~+110	-40~+110	1,000	
 6.6mg	HCZW115FASE		0.326	0.335	-	80	110	3.2	3.5	120 / 120		350	6.0	9.0	750	-	-	150	-40~+125	-40~+125	3,000	
 20mg	HFZV111AJTE		-	-	617	50	64	2.1	2.6	114 / 114		350	4.0	5.5	1,000	-	-	150	-40~+125	-40~+125	3,000	
	HFZR111AJTE		-	-	633	15	32	2.1	2.6	114 / 114		350	4.0	5.5	1,000	-	-	150	-40~+125	-40~+125	3,000	
 19.7mg	VBHW1149JTE-100		0.277	0.2435	-	180	250	3.25	3.75	117 / 117		1,000	2.8	3.8	100~1,200	8.0	T _j 125	160	-40~+125	-40~+125	3,000	
 20mg	HCNW115AJTE		0.326	0.335	-	265	310	3.25	3.75	117 / 117		1,000	3.0	3.9	100~1,200	8.0	T _j 125	150	-40~+125	-40~+125	3,000	
 20mg	HCNY115AJTE		0.566	0.423	-	56	71	2.95	3.75	120 / 120		350	4.0	4.5	100~800	-	-	150	-40~+125	-40~+125	3,000	
 32mg	HCNW125DJTE		0.326	0.335	-	500	620	6.5	7.45	117 / 117		1,000	1.8	2.3	100~1,200	8.0	T _j 125	150	-40~+125	-40~+125	2,000	
 32mg	HCNY125DJTE		0.566	0.423	-	175	246	6.0	7.5	120 / 120		700	2.0	2.5	100~800	-	-	150	-40~+125	-40~+125	2,000	

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※1 CIE1931に基づく/In accordance with CIE1931
※2 HFTY1108GS-P, HFTV1108GS-P, HFTR1108GS-11-P: 発光光束(lm)ではなく発光光度(cd)/Luminous intensity (cd) values, not luminous flux (lm)

SINGLE-COLOR LEDs



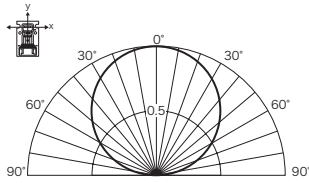
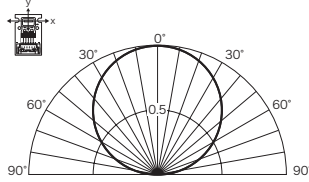
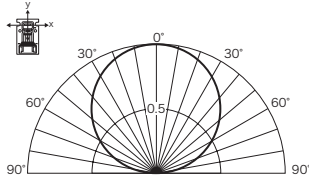
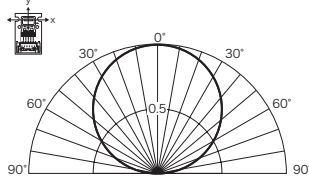
Ta=25°C

パッケージ Package	品名 Part name	電気的光学的特性／Electro-optical characteristics										熱的特性／ Thermal characteristics		絶対最大定格／Absolute maximum ratings						標準梱包 数量 Standard qty./Reel	WEB	
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光束 Luminous flux Φ _V Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	熱抵抗 [ジャンクション-はんだ付け位置] Thermal resistance [Junction - solder point] R _{th(J-B)} Typ. Max.		順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F Derating start temp.		ジャンクション温度 Junction temperature T _J	動作温度 Operating temperature Topr			保存温度 Storage temperature Tstg
			x Typ.	y Typ.		Typ.	Max.	Typ.	Max.													
単位 (Units)			-		nm	lm		V		deg.	-	mA	℃/W		mA	mA/℃	℃	℃	℃	℃	pcs.	
 28.6mg	HCXW115AKSE-A (Emission size:1mm x 1mm)		0.3299	0.3436	—	285	400	3.15	3.55	117 / 117		1,000	1.6	2.8	100～ 1,500	—	—	150	−40～+125	−40～+125	2,000	
	HCXW115AKSE-B (Emission size:0.85mm x 0.85mm)		0.3299	0.3436	—	260	375	3.15	3.55	117 / 117		1,000	1.6	2.8	100～ 1,500	—	—	150	−40～+125	−40～+125	2,000	
 55mg	HCXW125DKSE-A (Emission size:2.2mm x 1.0mm)		0.3299	0.3436	—	610	800	6.3	7.1	117 / 117		1,000	0.9	1.3	100～ 1,500	—	—	150	−40～+125	−40～+125	2,000	
	HCXW125DKSE-B (Emission size:2.2mm x 0.85mm)		0.3299	0.3436	—	555	735	6.3	7.1	117 / 117		1,000	0.9	1.3	100～ 1,500	—	—	150	−40～+125	−40～+125	2,000	

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パッケージ Package	品名 Part name	電気的光学的特性 / Electro-optical characteristics										熱的特性 / Thermal characteristics		絶対最大定格 / Absolute maximum ratings							標準梱包 数量 Standard qty./Box	WEB
		発光色 Emitted color	色度座標 Chromaticity coordinates ^{※1}		ドミナント発光波長 Dominant wavelength λd Typ.	発光光束 Luminous flux Φ _v Min. Typ.		順電圧 Forward voltage V _F Typ. Max.		指向半値角 Half-intensity angle 2θ _{1/2} (θx/θy)	指向特性 Spatial distribution	選別電流 Sorting current I _F	熱抵抗 [ジャンクション-基板裏面] Thermal resistance [Junction - board] Rth(j-b) Typ. Max.		順電流 Forward current I _F	順電流低減率 Forward current decrease rate ΔI _F Derating start temp.		ジャンクション温度 Junction temperature T _j	動作温度 Operating temperature Topr	保存温度 Storage temperature Tstg		
			x Typ.	y Typ.		Typ.	Max.	Typ.	Max.				Typ.	Max.		℃/W	mA					
単位 (Units)			-		nm	lm		V		deg.	-	mA	℃/W		mA	mA/℃	℃	℃	℃	℃	pcs.	
 7g	BUA1056A		0.325	0.335	—	975	1,290	7	7.5	120 / 120		1,800	0.7	1.12	200～ 2,100	—	—	150	−40～+120	−40～+120	150	
 7g	BUA1056A-T		0.325	0.335	—	975	1,290	7	7.5	120 / 120		1,800	0.7	1.12	200～ 2,100	—	—	150	−40～+120	−40～+120	150	
 7g	BUA1054A		0.325	0.335	—	1,950	2,350	12.7	15	120 / 120		1,800	0.7	1.12	200～ 2,100	—	—	150	−40～+120	−40～+120	150	
 7g	BUA1054A-T		0.325	0.335	—	1,950	2,350	12.7	15	120 / 120		1,800	0.7	1.12	200～ 2,100	—	—	150	−40～+120	−40～+120	150	



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