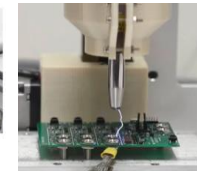


SEMTECH PROTECTION

Optimized Circuit Protection Solutions
safeguarding common data interfaces



Transient Voltage Suppressor Solutions

	Interface to Protect	Semtech Part Number	Vrwm	Lines	ESD Rating (air/contact)	Ipp max 8/20 μ s	Max. Cap (pF)	Pkg Size (mm)	Pkg Type
Ethernet SHIELD	Gigabit Ethernet	RClamp0512TQ	5V	2	$\pm 30\text{kV} / \pm 30\text{kV}$	20A	3pF	1.0 x 0.6 x 0.4mm	QFN
		RClamp3374N	3.3V	4	$\pm 30\text{kV} / \pm 30\text{kV}$	40A	2pF	2.0 x 3.0 x 0.5mm	QFN
	10/100 Ethernet	RClamp2502L	2.5	2	$\pm 30\text{kV} / \pm 30\text{kV}$	40A	5pF	4.9 x 6.0 x 1.75mm	SO-8
		RClamp3354S	3.3V	4	$\pm 30\text{kV} / \pm 30\text{kV}$	25A	3pF	2.9 x 2.8 x 1.2mm	SOT23-5L
RS-485 SHIELD	RS-485	SM712	12V/-7V	2	$\pm 30\text{kV} / \pm 30\text{kV}$	21A	57pF	2.9 x 2.37 x 1.05mm	SOT23-3L
		TClamp1202P	12V	2	$\pm 20\text{kV} / \pm 15\text{kV}$	100A	12pF	2.0 x 2.0 x 0.6mm	QFN
		TClamp3602P	36V	2	$\pm 30\text{kV} / \pm 30\text{kV}$	30A	4pF	2.0 x 1.0 x 0.55mm	QFN
Antenna SHIELD	Antenna/RF	RClamp3331PQ	3.3V	1	$\pm 30\text{kV} / \pm 30\text{kV}$	10A	0.4pF	1.0 x 0.6 x 0.4mm	QFN/0402
		RClamp0531T	5V	1	$\pm 20\text{kV} / \pm 12\text{kV}$	4A	0.8pF	1.0 x 0.6 x 0.4mm	QFN/0402
		RClamp0521PA	5V	1	$\pm 15\text{kV} / \pm 12\text{kV}$	4A	0.5pF	1.0 x 0.6 x 0.4mm	QFN/0402
		RClamp1521P	15V	1	$\pm 15\text{kV} / \pm 8\text{kV}$	4A	0.5pF	1.0 x 0.6 x 0.4mm	QFN/0402
		RClamp2451ZA	24V	1	$\pm 18\text{kV} / \pm 14\text{kV}$	4A	0.45pF	0.6 x 0.3 x 0.25mm	QFN/0201
Type-C SHIELD	USB Type-C	RClamp0512TQ	5V	2	$\pm 30\text{kV} / \pm 30\text{kV}$	20A	3pF	1.0 x 0.6 x 0.4mm	QFN
		RClamp3371ZC	3.3V	1	$\pm 17\text{kV} / \pm 10\text{kV}$	9A	0.25pF	0.6 x 0.3 x 0.25mm	QFN/0201
		μClamp5011ZA	5V	1	$\pm 18\text{kV} / \pm 15\text{kV}$	2.5A	5pF	0.6 x 0.3 x 0.25mm	QFN/0201
		μClamp2271P	22V	1	$\pm 30\text{kV} / \pm 30\text{kV}$	25A	165pF	1.6 x 1.0 x 0.5mm	QFN
USB SHIELD	USB 2.0	RClamp0512TQ	5V	2	$\pm 30\text{kV} / \pm 30\text{kV}$	20A	3pF	1.0 x 0.6 x 0.4mm	QFN
		RClamp0582B	5V	2	$\pm 30\text{kV} / \pm 25\text{kV}$	15A	1.2pF	1.6 x 1.6 x 0.75mm	SC-75
		RClamp7522T	5V	2	$\pm 25\text{kV} / \pm 15\text{kV}$	4A	0.4pF	1.0 x 0.7 x 0.4mm	SO-8
		μClamp0571P	5V	1	$\pm 30\text{kV} / \pm 30\text{kV}$	80A	675pF	1.6 x 1.0 x 0.5mm	QFN
HDMI SHIELD	HDMI	RClamp0524PA	5V	4	$\pm 17\text{kV} / \pm 12\text{kV}$	5A	0.8pF	2.5 x 1.0 x 0.58 mm	QFN
		RClamp0564P	5V	4	$\pm 15\text{kV} / \pm 10\text{kV}$	3A	0.2pF	2.0 x 1.0 x 0.6 mm	QFN
		RClamp7524T	5V	4	$\pm 30\text{kV} / \pm 25\text{kV}$	5A	0.6pF	1.3 x 0.80 x 0.40 mm	QFN
		RClamp7534P	5V	4	$\pm 25\text{kV} / \pm 20\text{kV}$	4A	0.22pF	2.0 x 1.0 x 0.5 mm	QFN