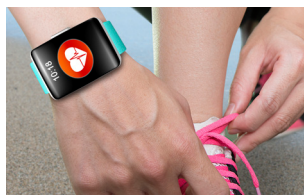


protection



Fall 2015 - Transient Voltage Suppressors Solutions

TVS Solutions Selector Guide

Transient voltage protection to meet the industry's toughest requirements

www.semtech.com/circuit-protection



TVS Application Matrix

Semtech's protection products are industry-leading, state-of-the-art devices for protecting sensitive circuitry from Electrostatic Discharge (ESD), Electrical Fast Transients (EFT), Lightning, Cable Discharge Events (CDE) and other electrical overstress. They are designed to meet the industry's most rigid immunity standards, including:

- IEC 61000-4-2 (ESD)
- IEC 61000-4-4 (EFT)
- IEC 61000-4-5 (lightning)
- Telcordia GR-1089
- ITU K.20, K.21

FEATURES

- Sub 5V solutions: 2.5V – 3.3V
- Ultra-low capacitance devices: <1pF
- Extremely low clamping voltage

- ESD protection + EMI/RFI filtering
- Single-line and multi-line protection
- Small package solutions, including Semtech's own leadless package
- High volume manufacturing
- Solid-state silicon-avalanche technology
- RoHS/WEEE Compliant

APPLICATIONS

- Portables
- Ethernet
- Set Top Box
- HDTV/Monitor Interfaces
- Telecom / Datacom Interfaces
- Servers / Desktop
- Notebooks / Tablets
- Automotive AEC-Q100 Qualified
- Wearables

Part Number	T-Carrier	xDSL	Antenna	Automotive (AEC-Q100)	10/100/1000 Ethernet	Proximity Sensor	Serial / Parallel Ports	LVDS	USB 1.1 / 2.0/3.0/OTG	Multimedia Memory Port	Audio	Color LCD Display	Battery Contacts	Power Line	Keypad	Accessory Connector Kit	HDMI / DisplayPort	Analog Video
EMI Clamp® - ESD + EMI Protection Devices																		
EClamp2357NQ				■						■								
EClamp2374K												■				■		
EClamp2376K												■				■		
EClamp2378K												■				■		
EClamp2384K												■				■		
EClamp2386K												■				■		
EClamp2388K												■				■		
EClamp2394P												■				■		
EClamp2396P												■				■		
EClamp2398P												■				■		
EClamp2410P										■								
EClamp2410PQ			■							■								
EClamp2422N											■							
EClamp2454P											■					■		
EClamp2456P											■					■		
EClamp2458P											■					■		
EClamp2455K										■								
EClamp2455P										■								

Part Number	T-Carrier	xDSL	Antenna	Automotive (AEC-Q100)	10/100/1000 Ethernet	Proximity Sensor	Serial / Parallel Ports	LVDS	USB 1.1 / 2.0/3.0/OTG	Multimedia Memory Port	Audio	Color LCD Display	Battery Contacts	Power Line	Keypad	Accessory Connector Kit	HDMI / DisplayPort	Analog Video
EClamp2465T											■							
EClamp2515K											■							
EClamp2522P											■							
STF203-15											■					■		
STF203-22											■					■		
STF203-33											■					■		
TransClamp® - High-Power Surge TVS																		
TClamp0602N	■	■			■													
TClamp1202P							■											
TClamp1272S		■																
NEW TClamp2472S		■																
TClamp2502N					■													■
TClamp3302N		■			■													■
LC01-6	■																	
LC03-3.3	■				■													
LC03-6	■	■			■													
LC04-6	■	■																
LC05-6	■																	
LC04-12	■	■																
RailClamp® - Low Capacitance TVS																		
RClamp0502A					■				■	■								■
RClamp0582B										■								■
RClamp0582BQ					■					■								■
RClamp0502BA					■				■	■	■		■					■
RClamp0582N					■				■	■	■							■
RClamp0504FA									■	■	■							■
RClamp0504N	■	■			■				■	■	■							■
RClamp0504PA					■				■	■	■					■		■
RClamp0506T										■								■
NEW RClamp0512TQ					■	■	■			■	■				■			■
RClamp0521PA										■	■	■						
RClamp0521Z					■					■	■							■
RClamp0524PA										■			■					■
RClamp0524PQ					■					■			■					■
RClamp0531TQ					■	■	■											
NEW RClamp0531Z					■													
RClamp0534N										■								
RClamp0542T											■							■
RClamp0544T											■							■
NEW RClamp0551P										■	■							■
NEW RClamp0552T										■	■							■
RClamp0554S	■				■				■	■	■							■
RClamp3324T					■					■								■
RClamp3354S					■					■								■

TVS Application Matrix

Part Number	T-Carrier	xDSL	Antenna	Automotive (AEC-Q100)	10/100/1000 Ethernet	Proximity Sensor	Serial / Parallel Ports	LVDS	USB 1.1 / 2.0/3.0/OTG	Multimedia Memory Port	Audio	Color LCD Display	Battery Contacts	Power Line	Keypad	Accessory Connector Kit	HDMI / DisplayPort	Analog Video
RClamp0584J								■									■	
RClamp0821P								■	■	■								■
RClamp0854P								■										
NEW RClamp1255P								■										
RClamp1502B								■	■									
RClamp1521P								■	■	■								■
RClamp1624T								■										
RClamp1654P								■										
RClamp2402B								■	■									
NEW RClamp2451ZA			■															
RClamp2502L	■			■														
RClamp2504N				■				■	■									■
RClamp2504P				■				■	■									■
RClamp2574N				■				■										
RClamp2574NQ			■	■				■										
RClamp3374N			■	■				■										
RClamp3304NA	■			■				■	■	■								■
RClamp3304P				■				■	■	■								■
NEW RClamp3321P								■										
NEW RClamp3324P			■	■				■	■	■								
NEW RClamp3328P				■				■	■	■							■	
NEW RClamp3331ZA								■	■	■								
NEW RClamp3346P			■					■	■	■								
RClamp3624T								■										
RClamp3654PA								■										
RClamp7522T								■										■
RClamp7524T								■	■	■								■
RClamp7528T								■	■	■	■							■
RClamp7538P								■	■	■	■							■
SR05		■				■		■										■
SR12		■																
SR2.8																		■
SR3.3								■										■
SR70	■	■																■
SRDA05-4	■							■										■
SRDA12-4		■																
SRDA3.3-4	■							■										■
SRV05-4A	■			■		■	■	■										■
MicroClamp® - TVS Arrays																		
NEW μClamp0301PQ			■												■			
μClamp0501H						■							■	■	■	■		
μClamp0501P						■							■	■	■	■		
μClamp0502P								■					■	■	■			
μClamp0501T						■							■	■	■			

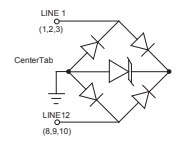
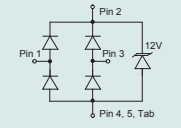
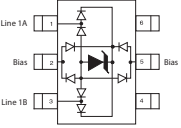
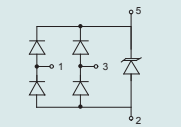
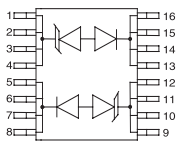
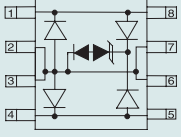
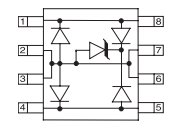
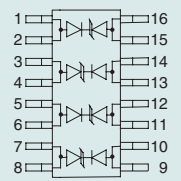
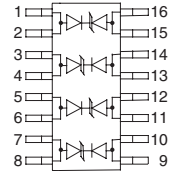
Part Number	T-Carrier	xDSL	Antenna	Automotive (AEC-Q100)	10/100/1000 Ethernet	Proximity Sensor	Serial / Parallel Ports	LVDS	USB 1.1 / 2.0/3.0/OTG	Multimedia Memory Port	Audio	Color LCD Display	Battery Contacts	Power Line	Keypad	Accessory Connector Kit	HDMI / DisplayPort	Analog Video
μClamp0502T								■					■	■	■	■		
μClamp0504T													■	■	■	■		
μClamp0505T													■	■	■	■		
μClamp0506T													■	■	■	■		
μClamp0508T								■			■				■	■		
μClamp0504A								■							■	■		
μClamp0505A								■			■				■	■		
μClamp0511P													■		■	■		
μClamp0511T									■		■		■	■	■	■		
μClamp0511Z										■				■	■	■		
μClamp0524P								■							■	■		
μClamp0541Z										■					■	■		
μClamp1201H								■							■	■		
μClamp1201P								■							■	■		
μClamp1211P													■		■	■		
μClamp1211T											■		■	■	■	■		
μClamp1211Z													■	■	■	■		
μClamp2401T								■					■	■	■	■		
μClamp2501T											■				■	■		
μClamp2511T											■				■	■		
μClamp2804L									■									
μClamp3301P								■							■	■		
μClamp3603T				■										■				
μClamp3601P				■		■								■				
μClamp3304A								■							■	■		
μClamp3305P								■						■	■	■		
μClamp3306P								■						■	■	■		
μClamp3311P													■		■	■		
μClamp3311PQ				■	■										■			
μClamp3311T											■				■	■		
NEW μClamp3321ZA											■			■	■			
μClamp3311Z											■			■	■	■		
μClamp3324P								■							■	■		
NEW μClamp3381P									■									
NEW μClamp5011ZA											■			■	■			
LCDA/SLVU FAMILIES - TVS ARRAYS																		
LCDA12C-1		■						■										
LCDA15C-1		■						■										
LCDA24C-1		■						■										
SLVU2.8Q				■														■
SLVU2.8-4					■													
SLVU2.8-8					■													

Transient Voltage Suppressors (TVS)

EMIClamp® – ESD + EMI Protection Devices												
Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C (pF) @ V _R = 0V	C (pF) @ V _R = 2.5V	R (ohm)	L (nH)	C Max (pF) L-G @ V _R = 0V	I _R Max (μA) @ V _{RWM}	Package	
EClamp2357NQ	6 line ESD/EMI protection for Secure Digital Card Interfaces		5	6	10	-	100	-	22	0.5	16 Pin QFN	
EClamp2374K EClamp2376K EClamp2378K	4, 6, 8 line ESD/EMI protection for Color LCD Interfaces		5	6	10	-	100	-	24	-	SLP1713P8 SLP2513P12 SLP3313P16	
EClamp2384K EClamp2386K EClamp2388K	4, 6, 8 line ESD/EMI protection for Color LCD Interfaces, 400μm lead pitch		5	6	-	12	200	-	-	-	SLP1713P8 SLP2513P12 SLP3313P16	
EClamp2394P EClamp2396P EClamp2398P	4, 6, 8 line ESD/EMI protection for Color LCD Interfaces		5	6	-	12	-	19	-	-	SLP2116P8 SLP3016P12 SLP4016P16	
EClamp2410PQ	T-Flash & MicroSD Protection for Automotive Interfaces		5	6	-	12	45	-	-	0.5	SLP4016P16	
EClamp2422N	2 line ESD/EMI protection for Audio Interfaces		5	6	100	-	-	2	-	-	SLP1510N6	
EClamp2454P EClamp2456P EClamp2458P	4, 6, 8 line ESD/EMI protection for Color LCD Interfaces		5	6	-	12	-	28	-	-	SLP2116P8 SLP3016P12 SLP4016P16	
EClamp2455K EClamp2455P	4 line ESD/EMI protection for SIM Cards, ('K'=400μm lead pitch) ('P'=500μm lead pitch)		5	6	20	-	100, 47	-	24	0.5	SLP1713P8 SLP2116P8	
EClamp2465T	4 line ESD/EMI protection for SIM Card		5	6	10	-	100, 47	-	12	0.5	SLP1713P8T	
EClamp2515K	ESD Protection for T-Flash/ MicroSD Interfaces		5	6	22	-	45	-	-	-	SLP3313P16	
EClamp2522P	USB upstream port filter & TVS for EMI filtering and ESD protection		5.5	6	20	-	22	-	45	1	SLP1616P6	
STF203-15 STF203-22 STF203-33	USB upstream port filter & TVS for EMI filtering and ESD protection		5.25	6	47	-	15 22 33	-	-	5	SC-70 6L	

Transient Voltage Suppressors (TVS)

TransClamp® – High-Power Surge TVS

Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _J Max (pF) L-L@ V _R = 0V	Peak Power (W) (8/20µs)	Peak Power (W) (10/1000µs)	I _{PP} (A) @ (10/1000µs)	I _{PP} (A) @ (8/20µs)	I _R Max (µA) @ V _{RWM}	Package
TClamp0602N TClamp2502N TClamp3302N	2 line, Low Cap TVS for Ethernet and Telecom Interfaces		6 2.5 3.3	6.8 – –	12	2500 – –	–	–	95	5 0.5 1	SLP2626P10
TClamp1202P	Low Cap TVS for RS-485 Interfaces		12	13.3	12	–	300	12	100	0.1	SLP2020P5
TClamp1272S	Low Cap TVS for xDSL Interfaces		12	13.5	5	600	–	–	20	0.1	SOT-23 6L
NEW TClamp2472S	Low Cap TVS for xDSL Interfaces		24	27	2	–	–	–	–	0.1	SOT-23 6L
LC01-6	Low Cap TVS for high-speed telecommunication systems		6	8	–	–	1500	100	–	25	SO-16W
LC03-3.3	2 line, Low Cap 3.3V TVS for high-speed interfaces		3.3	–	12	1800	–	–	100	1	SO-8
LC03-6	2 line, Low Cap TVS for high-speed data interfaces		6	6.8	12	2000	–	–	100	25	SO-8
LC04-6 LC05-6	Dual Low Cap TVS Array for telecom linecard applications, protects 2 tip & ring line pairs		6	6.8	15	– 2000	1000 –	70 –	200 100	15	SO-16
LC04-12	Dual Low Cap TVS Array for telecom linecard applications, protects 2 tip & ring line pairs		12	13.3	15	600	600	25	100	2	SO-16

Transient Voltage Suppressors (TVS)

RailClamp® – Low Capacitance TVS

Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _J Max (pF) L-L @ V _R = 0V	Peak Power (W) (8/20μs)	I _{FE} (A) @ (8/20μs)	I _R Max (μA) @ V _{RWM}	Package
RClamp0502A	2 line, Ultra-Low Cap TVS Array		5	6	0.7	50	3	1	SC-89
RClamp0502BA RClamp1502B RClamp2402B	2 line protection, Ultra-Low Cap TVS for ESD/CDE protection		5 15 24	6 16.7 26.7	0.9	125 200 200	5 5 4	1	SC-75
NEW RClamp2451ZA	24V, 1 Line ESD Protection		24	25.5	0.45	60	3	0.05	SLP0603P2X3
RClamp0504FA RClamp0504S RClamp0504N	4 line protection, Low Cap TVS Array		5	6	1.5 1.5 5*	150 150 300	6 6 12	3 3 5	SC-70 6L SOT-23 6L SLP2020P6
RClamp0504PA	4 line protection, Low Cap TVS Array		5	6	1	150	6	3	SLP1616P6
RClamp0506T	6 line protection, Ultra-Low Cap TVS for High Speed Applications		5	6.5	0.4	75	5	0.1	SLP3313P6T
NEW RClamp0512TQ	5V, 2 Line Surge and ESD Protection for High Speed Applications		5	6.5	2	-	-	0.1	SLP1006N3T
RClamp0521PA RClamp0821P RClamp1521P	Ultra-low Cap, 1 line ESD protection		5 8 15	6 10 16.7	0.5	100 100 120	4	1	SLP1006P2
RClamp0521Z	Ultra Small, 1 line ESD protection		5	6	0.5	100	4	0.1	SLP0603P2X3A
RClamp0522P	Protect 2 lines for High speed applications		5	6	0.4	150	5	1	SLP1610P4
RClamp0524PA RClamp0524PQ	Protect 4 lines for High speed applications		5	6 6.5	0.4	150 75	5	1 0.1	SLP2510P8
RClamp0531TQ	1 line protection, Ultra-Low Cap TVS for Automotive Applications		5	6	0.8	80	4	0.1	SLP1006P2T
NEW RClamp0531Z	Ultra-Small, 1 Line ESD Protection		5	7	0.4	60	3	0.02	SLP0603P2X3
RClamp0534N	4 line protection, Low Cap TVS for High Speed Applications		5	6	3	500	25	0.5	SLP3020N10

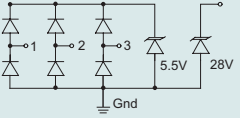
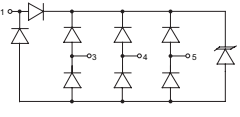
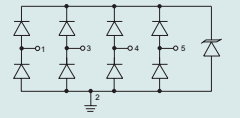
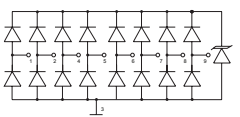
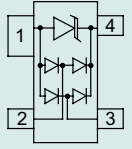
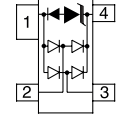
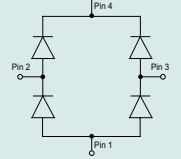
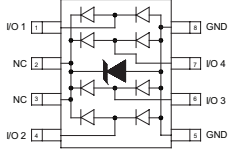
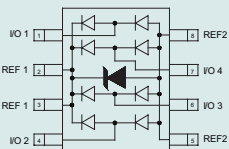
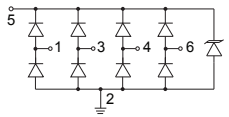
RailClamp® – Low Capacitance TVS (Continued)

Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _J Max (pF) L-L @ V _R = 0V	Peak Power (W) (8/20µs)	I _{PE} (A) @ (8/20µs)	I _R Max (µA) @ V _{RWM}	Package
RClamp0542T	Protect 2 lines for High Speed Applications		5	6.5	0.4	75	5	0.05	SLP1610P4T
RClamp0544T	Protect 4 lines for High Speed Applications		5	6.5	0.4	75	5	0.1	SLP2010P8T
NEW RClamp0551P	Ultra Low cap, 1 Line ESD Protection		5	6	0.5	60	3	0.1	SLP1006P2
NEW RClamp0552T	Ultra Low Cap, 2 Line ESD Protection		5	6.5	0.4	60	3	0.02	SLP1006N3T
RClamp0554S	4 line protection, Low Cap TVS for High Surge Applications		5	6	5*	375	25	0.5	SOT-23 6L
RClamp0582B	2 line protection, Ultra-Low Cap TVS for High Speed Applications		5	6	0.8	300	15	0.1	SC-75
RClamp0582BQ	2 line protection, Ultra-Low Cap TVS for Automotive Applications		5	6	0.8	300	15	0.1	SC-75
RClamp0582N	2 data, 1 power line protection, Ultra-Low Cap TVS for Automotive Applications		6.5	7	0.5	125	5	0.1	SLP1210N6
RClamp0584J	4 line protection, Ultra-Low Cap for High Speed Applications		5	6.5	0.4	75	5	0.1	SLP2710P8
RClamp0854P	3 data line protection and 1 power line for USB charger and USB OTG		5.5	6.5	0.5	100	3	1	SLP1616P6
NEW RClamp1255P	3 data line protection and 1 power line for uUSB Interfaces		4	4.5	0.5	40	3	0.1	SLP2018P6
RClamp1624T	3 data line protection and 1 power line for USB charger and USB OTG		5	6.5	0.4	75	5	0.1	SLP1710P4T
RClamp1654P	3 data line protection and 1 power line for USB charger and USB OTG		5.5	6.5	0.5	100	3	1	SLP1616P6

RailClamp® – Low Capacitance TVS (Continued)

Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _J Max (pF) L-L @ V _R = 0V	Peak Power (W) (8/20μs)	I _{FE} (A) @ (8/20μs)	I _R Max (μA) @ V _{RWM}	Package
RClamp2502L	2.5V, Flow-through TVS for Gigabit and Fast Ethernet Protection		2.5	–	5	800	40	1	SO-8
RClamp2504N RClamp3304NA	4 line protection, Low Cap TVS Array for Ethernet and Telecom Interfaces		2.5 3.3	–	5*	450	25	5	SLP2626P10
RClamp2504P RClamp3304P	4 line Ultra-Low Cap TVS Array		2.5 3.3	–	0.8*	80	5	0.5	SLP1616P6
RClamp2574NQ RClamp3374N	4 line protection, High Power TVS for Ethernet Interfaces		2.5 3.3	–	5*	1000	40	0.5	SLP3020N10
NEW RClamp3321P	3.3V, 1 Line ESD Protection		3.3	5.5	0.35	25	3	0.05	SLP1006P2
NEW RClamp3324P	3.3V, 4 Line Surge and ESD Protection		3.3	–	0.4	–	4.5	0.05	SGP2510P8
NEW RClamp3328P	3.3V, 8 Line Surge and ESD Protection		3.3	–	0.4	75	5	0.1	SGP3810N9
NEW RClamp3331ZA	3.3V, 1 Line ESD Protection		3.3	5.5	0.45	30	4	0.05	SLP0603P2X3
NEW RClamp3346P	3.3V, 6 Line ESD Protection for High Speed Applications		3.3	–	0.4	–	4.5	0.05	SGP2708N7
RClamp3324T	3.3V, Flow-through TVS for USB 3.0 Interfaces		3.3	–	0.4	75	5	0.1	SLP1710P4T
RClamp3354S	4 line, 3.3V TVS for GbE Interfaces		3.3	–	5*	400	25	0.5	SOT-23
RClamp3624T	3 data line protection and 1 power line for USB charger and USB OTG		5	6.5	0.4	100	6	0.1	SLP1710P4T

Transient Voltage Suppressors (TVS)

RailClamp® – Low Capacitance TVS (Continued)									
Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _i Max (pF) L-L @ V _R = 0V	Peak Power (W) (8/20μs)	I _{PP} (A) @ (8/20μs)	I _R Max (μA) @ V _{RWM}	Package
RClamp3654PA	3 data line protection and 1 power line for USB charger and USB OTG		5.5	6.5	0.5	100	3	1	SLP1616P6
RClamp7522T	2 line protection, Ultra Low Cap TVS for High Speed Applications		5	6.5	0.4	100	4	0.1	SLP1007N5T
RClamp7524T	4 line protection, Ultra Low Cap TVS for High Speed Applications		5	6.5	0.4	75	5	0.1	SLP1308N5T
RClamp7528T RClamp7538P	8 line protection, Ultra Low Cap TVS for High Speed Applications		5	6.5	0.4	75	5	0.1	SLP2611N9T SLP3810N9
SR05 SR12	2 line, Low Cap TVS Diode Array		5 12	6 13.3	10*	500 550	25 16	5 1	SOT-143
SR2.8 SR3.3	2 line, Low Cap TVS Diode Array		2.8 3.3	-	10*	200 150	14 10	1 1	SOT-143
SR70	2 line, Low Cap TVS Diode Array		70	85	10*	-	24	5	SOT-143
SRDA3.3-4	4 line, Low Capacitance TVS Diode Array		3.3	-	15*	500	25	1	SO-8
SRDA5-4 SRDA12-4	4 line, Low Capacitance TVS Diode Array		5 12	6 13.3	15*	500	25 20	10 1	SO-8
SRV05-4A	4 line, Low Capacitance TVS Diode Array		5	6	5*	300	12	5	SOT-23 6L

Transient Voltage Suppressors (TVS)

MicroClamp® - TVS Arrays

Part Number	Description	Device Schematic	V _{RWM} Max (V)	V _{BR} Min (V)	C _J Max (pF) L-G @ V _R = 0V	Peak Power (W) (8/20μs)	I _{PP} (A) @ (8/20μs)	I _R Max (μA) @ V _{RWM}	Package
μClamp0501H μClamp1201H	1 line ESD protection		5 12	6 13.3	160 60	240 200	16 8	5 1	SOD-523
NEW μClamp0301PQ μClamp0501P μClamp1201P	1 line ESD protection		5 12	6 13.3	160 60	200	16 8	5 1	SLP1006P2
μClamp0501T μClamp2401T	1 line ESD protection		5 24	6 27	10 50	25 150	2 3	0.25	SLP1006P2T
μClamp0502P μClamp0502T	2 line ESD protection		5	6	10	25	2	0.25	SLP1006P3 SLP1006P3T
μClamp0504A μClamp3304A	4 line ESD protection array		5 3.3	6 -	75 30	100 40	7 5	1 0.5	SC-89
μClamp0504T μClamp0505T μClamp0506T	4, 5, 6 line ESD protection		5	6	10	25	2	0.25	SLP1313P6T
μClamp0505A	5 line ESD protection array		5	6	75	100	7	1	SC-89
μClamp0506A	5 line ESD protection array		5	6	40	100	7	1	SC-89
μClamp0506P	6 line ESD protection array		5	6	75	100	7	1	SLP1616P6
μClamp0508T	8 line ESD protection		5	6	10	25	2	0.25	SLP1713P8T
μClamp0511P μClamp1211P μClamp3311P	1 line ESD protection		5 12 3.3	6 13.3 -	75 25 15	170 200 90	12 7 5	1 1 0.5	SLP1006P2
μClamp0511T	1 line ESD protection		5	6	7	-	2	0.05 (V _R =3.3V)	SLP1006P2T
μClamp0511Z μClamp0541Z μClamp3311Z μClamp1211Z	Ultra Small, 1 line ESD Protection		5 5 3.3 12	6 6 - 13.3	7 9 9 25	- 25 30 125	- 2 4 5	0.05	SLP0603P2X3
μClamp0524P μClamp3324P	4 line, low voltage TVS for ESD protection		5 3.3	6 -	160 30	240 40	16 5	5 0.5	SLP2116P8
μClamp2501T	1 line, 2.5V TVS for ESD protection		2.5	-	30	40	5	0.05	SLP1006P2T
μClamp2511T μClamp3311T μClamp1211T	1 line ESD protection		2.5 3.3	- -	10 10	40 40	5 5	0.05	SLP1006P2T



A World of Solutions



mobility • connectivity • green technology

visit www.semtech.com for more

200 Flynn Road, Camarillo, California 93012 • phone: (805) 498-2111 • fax: (805) 498-3804

Semtech and the Semtech logo are registered marks of Semtech Corporation. All other trademarks and trade names mentioned may be marks and names of their respective companies. Semtech reserves the right to make changes to, or discontinue any products described in this document without further notice. Semtech makes no warranty, representation or guarantee, express or implied, regarding the suitability of its products for any particular purpose. ©2015 Semtech Corporation. All rights reserved. TV5-SG-Q215