



Semiware Protection Devices Flyer



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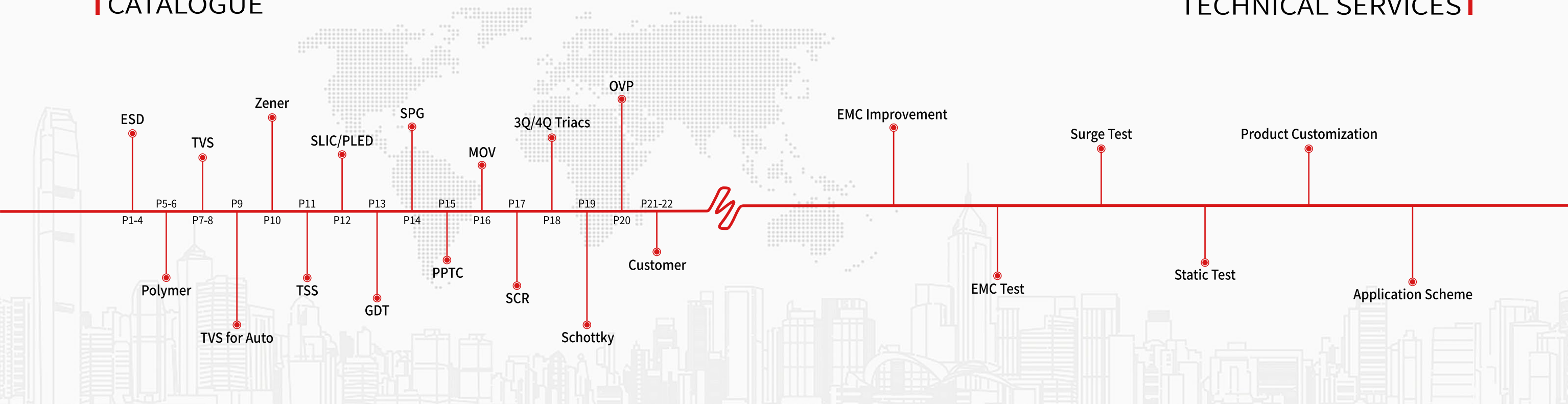


Build Your Design As You Will



CATALOGUE

TECHNICAL SERVICES



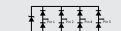
Description

ESD is also known as TVS array. It has excellent clamping capability and low capacitance (under 1pF) which can meet the quality requirement of application in high speed data interface. Semiware provides high design flexibility for capacitance, configuration, and pulse load capability in ESD solutions for the usage in different applications.

Applications

High speed networking Smart phone Industrial Consumer

Part Number	$V_{RWM}(V)$	$V_C@I_{PP}A$ Max.(V)	I_{PP} Max.(A)	C_J Typ.(pF)	AEC-Q101	Package	Circuit	Figure
SE06F10B3.3A	3.3	10	8	15	TP	DFN0603		
SE06F10B3.3MA	3.3	18	4	0.25	TP	DFN0603		
SE06F10B5.0A	5.0	12.5	5.5	15	TP	DFN0603		
SE06F10B5.0MA	5.0	22	4	0.22	TP	DFN0603		
SE10F10B3.3A	3.3	10	8	12	TP	DFN1006		
SE10F10B3.3MA	3.3	21	4	0.22	TP	DFN1006		
SE10F10B5.0A	5.0	10	8	15	TP	DFN1006		
SE10F10U5.0A	5.0	12.3	8.7	65	TP	DFN1006		
SE10F10B5.0MA	5.0	25	4	1	TP	DFN1006		
SE10F10B7.0A	7.0	19	8	25	TP	DFN1006		
SE10F20B8.0A	8.0	22	10	45	TP	DFN1006		
SE10F20B12A	12.0	19	8	8	TP	DFN1006		
SE10F07B15MA	15.0	35	2	0.25	TP	DFN1006		

Part Number	$V_{RWM}(V)$	$V_C@I_{PP}A$ Max.(V)	I_{PP} Max.(A)	C_J Typ.(pF)	AEC-Q101	Package	Circuit	Figure
SE10P3F10B5.0B	5.0	30	3	10	TP	DFN1006-3		
SE10P3F10U5.0MB	5.0	19	4	0.45	TP	DFN1006-3		
SE16F180B4.5A	4.5	13	135	1500	TP	DFN1610		
SE16F110U6.5A	6.5	12.5	87	550	TP	DFN1610		
SE16F160U18A	18.0	40	40	270	TP	DFN1610		
SE16P6F10B5.0MA	5.0	15	4	0.4	TP	DFN1610P6		
SEULC3324P10	3.3	14	4	0.4	TP	DFN2510P10		
SEULC0524P	5.0	16	5	0.6	TP	DFN2510P10		
SE16P50B5.0A	5.0	25	22	10	TP	SOP-16		
SE25T10U3.3MA	3.3	8.7	5	0.55	TP	SOT-23-5		
SEULC7534P5	5.0	25	4.5	0.5	TP	DFN2010P5		
SE20F20B3.0MA	3.0	17	13	5	TP	DFN2010P8		
SE9D10U5.0A	5.0	12.3	7.5	40	TP	SOD-923		
SE9D10U5.0UA	5.0	9.8	1	0.5	TP	SOD-923		
SE9D10B5.0A	5.0	18.6	9.4	13	TP	SOD-923		
SE5D10B3.3A	3.3	12	5	16.5	TP	SOD-523		
SE5D15U3.3A	3.3	14.1	11.2	105	TP	SOD-523		
SE5D10B5.0A	5.0	25	5	15	TP	SOD-523		
SE5D10B5.0MA	5.0	20	2	0.8	TP	SOD-523		
SE5D40B5.0A	5.0	20	20	40	TP	SOD-523		
SE5D15U12A	12.0	28	6	60	TP	SOD-523		



Part Number	V_{RWM} (V)	$V_C@I_{PPA}$ Max.(V)	I_{PP} Max.(A)	C_J Typ.(pF)	AEC-Q101	Package	Circuit	Figure
SE5D35U24A	24.0	52	7	80	TP	SOD-523		
SE3D35B3.3A	3.3	16	20	450	TP	SOD-323		
SE3D15B3.3MA	3.3	16	20	1	TP	SOD-323		
SE3D250U4.5A	4.5	18	140	1000	TP	SOD-323		
SE3D35B5.0A	5.0	25	20	39	TP	SOD-323		
SE3D35B5.0MA	5.0	25	14	1.5	TP	SOD-323		
SE3D35U5.0A	5.0	14.5	24	200	TP	SOD-323		
SE3D15B8.0MA	8.0	26	10	1	TP	SOD-323		
SE3D35B12A	12.0	29.8	12	45	TP	SOD-323		
SE3D35B12MA	12.0	28.6	12	1	TP	SOD-323		
SE3D35U12A	12.0	32	11	130	TP	SOD-323		
SE3D35U15A	15.0	30	12	120	TP	SOD-323		
SE3D35U24A	24.0	52	7	80	TP	SOD-323		
SESR05	5.0	25	5	2	TP	SOT-143		
SESR70	70.0	16	21	1.5	TP	SOT-143		
SE22F3P360U12B	12.0	23	200	780	TP	DFN2020-3L		
SE22F3P600U15B	15.0	27.8	200	1230	TP	DFN2020-3L		
SE22F3P600U30B	30.0	38	150	580	TP	DFN2020-3L		
SE22F3P500U18B	18.0	35	140	900	TP	DFN2020-3L		

Part Number	V_{RWM} (V)	$V_C@I_{PPA}$ Max.(V)	I_{PP} Max.(A)	C_J Typ.(pF)	AEC-Q101	Package	Circuit	Figure
SE23T40B712B	7&12	12&26	17	55	TP	SOT-23		
SE23T35U3.0B	3.3	15	25	400	TP	SOT-23		
SE23T35U5.0B	5.0	16	24	300	TP	SOT-23		
SE23T35U12B	12.0	24	13	100	TP	SOT-23		
SE23T10B5.0UB	5.0	25	4	0.5	TP	SOT-23		
SE23T20B30C	30.0	55	3	20	TP	SOT-23		
SE23T35B5.0LB	5.0	16	24	300	TP	SOT-23		
SE23T35B24LB	24.0	50	3	13	TP	SOT-23		
SE53T10U5.0D	5.0	12	7.5	40	TP	SOT-353		
SE53T10U5.0MC	5.0	15	4	0.8	TP	SOT-353		
SE63T10U5.0LD1	5.0	25	4	0.5	TP	SOT-363		
SE35T10B5.0B	5.0	10	10	15	TP	SOT-523		
SE55T10U5.0D	5.0	17	3	6.7	TP	SOT-553		
SESLVU2.8-8	2.8	21	30	7	TP	SOP-8		
SESLVU2.8-4	2.8	15	24	3	TP	SOP-8		
SE8P50B12D	12.0	26	20	70	TP	SOP-8		
SE26T15B3.3E	3.3	10.5	13	15	TP	SOT-23-6		
SESRV05-4	5.0	17.5	5	0.3	TP	SOT-23-6		
SE26T50U5.0LA	5.0	25	20	2	TP	SOT-23-6		
SE26T12B5.0LB1	5.0	20	6	1	TP	SOT-23-6		
SE26T15U24A	24.0	45	3.4	23	TP	SOT-23-6		



POLYMER

Description

The polymer ESD suppressor in a ultra small Surface-Mounted Device (SMD) package help protect sensitive electronic equipment against electrostatic discharge (ESD) without distorting data signals. This protection is a result of its ultra-low capacitance of only 0.05 pF (I/O to GND), and it can be used to help equipment to pass IEC61000-4-2 level 4 test (15KV air, 8KV contact discharge).

Applications

High speed networking Smart phone Industrial Consumer

Part Number	$V_{RWM}(V)$	$V_C@I_{PP}A$ Max.(V)	Max. I_{PP} (A)	C_J Typ.(pF)	Package	Figure
SAE0201B5.0UA	5	35	1	0.05	SAE0201	
SAE0201B12UA	12	35	1	0.05	SAE0201	
SAE0201B15UA	15	35	1	0.05	SAE0201	
SAE0201B24UA	24	35	1	0.05	SAE0201	
SAE0201B30UA	30	35	1	0.05	SAE0201	
SAE0402B5.0UA	5	35	1	0.05	SAE0402	
SAE0402B12UA	12	35	1	0.05	SAE0402	
SAE0402B15UA	15	35	1	0.05	SAE0402	
SAE0402B24UA	24	35	1	0.05	SAE0402	
SAE0402B30UA	30	35	1	0.05	SAE0402	
SAE0603B5.0UA	5	35	1	0.05	SAE0603	
SAE0603B12UA	12	35	1	0.05	SAE0603	
SAE0603B15UA	15	35	1	0.05	SAE0603	

Part Number	$V_{RWM}(V)$	$V_C@I_{PP}A$ Max.(V)	I_{PP} Max.(A)	C_J Typ.(pF)	Package	Figure
SAE0603B24UA	24	35	1	0.05	SAE0603	
SAE0603B30UA	30	35	1	0.05	SAE0603	
SPE0402B5.0	5	35	1	0.05	SPE0402	
SPE0402B9.0	12	35	1	0.05	SPE0402	
SPE0402B18	15	35	1	0.05	SPE0402	
SPE0402B22	24	35	1	0.05	SPE0402	
SPE0402B30	30	35	1	0.05	SPE0402	
SPE0603B5.0	5	35	1	0.05	SPE0603	
SPE0603B9.0	12	35	1	0.05	SPE0603	
SPE0603B18	15	35	1	0.05	SPE0603	
SPE0403B22	24	35	1	0.05	SPE0603	
SPE0603B30	30	35	1	0.05	SPE0603	
SME0402B5.0UA	5	30	1	0.15	SME0402	
SME0402B5.0MA~5.5MA	5~5.5	50~200	1	5~10	SME0402	
SME0402B5.5A~22A	5.5~22	25~54	1~47	3~50	SME0402	
SME0402B24UA	24	250	1	0.15	SME0402	
SME0402B33MA~42MA	33~42	130~200	1	3~5	SME0402	
SME0603B5.0MA~5.5MA	5~5.5	50~150	1	0.2~5	SME0603	
SME0603B14MA~24MA	14~24	55~250	1	2.5~10	SME0603	



Description

TVS has fast response speed to against overvoltage spikes. It has low dynamic internal resistance and excellent clamping capability. Semiware offers different packages in TVS products and the working voltage of TVS diodes are from 3.3 to 600V(and can be even higher). TVS diodes are used in unidirectional or bidirectional of data transmission lines in electronic circuits.

Applications

DC Power Supply Security Surveillance Telecom Automotive

Part Number	V _{RWM} (V)	Polar	P _{PPM} (W)	Package	Figure
SVF20U/B3.3~190	3.3~190	BI/UNI	200	SOD-123FL	
SVF40U/B3.3~190	3.3~190	BI/UNI	400	SOD-123FL	
SVA40U/B3.3~440	3.3~440	BI/UNI	400	SMA	
SVA40U/B6.8~600P	5.8~512	BI/UNI	400	SMA	
SVAF40U3.3~440	3.3~440	UNI	400	SMAF	
SVA60U/B5.0~440	5.0~440	BI/UNI	600	SMA	
SVAF60U3.3~200	3.3~200	UNI	600	SMAF	
SVB60U/B6.8~600P	5.8~512	BI/UNI	600	SMB	
SVBF60U3.3~220	3.3~220	UNI	600	SMBF	
SVBF100U3.3~220	3.3~220	UNI	1000	SMBF	
SVB100U/B5.0~440	5.0~440	BI/UNI	1000	SMB	
SVB100U/B6.8~600P	5.8~512	BI/UNI	1000	SMB	
SVB150U/B11~170	11~170	BI/UNI	1500	SMB	

Part Number	V _{RWM} (V)	Polar	P _{PPM} (W)	Package	Figure
SVB200U/B20~58	20~58	BI/UNI	2000	SMB	
SVC150U/B5.0~440	5.0~440	BI/UNI	1500	SMC	
SVC300U/B5.0~220	5.0~220	BI/UNI	3000	SMC	
SVC500U/B11~170	11~170	BI/UNI	5000	SMC	
SVC800U/B12~110	12~110	BI/UNI	8000	SMC	
P4KE6.8~600A/CA	5.8~512	BI/UNI	400	DO-41	
P6KE6.8~600A/CA	5.8~512	UNI	600	DO-15	
1.5KE-6.8~600A/CA	5.8~512	BI/UNI	1500	DO-201	
3KP5.0~220A/CA	5.0~220	BI/UNI	3000	P600	
5KP5.0~220A/CA	5.0~220	BI/UNI	5000	P600	
8KP5.0~220A/CA	5.0~220	BI/UNI	8000	P600	
10KPA11~170A/CA	11~170	BI/UNI	10000	P600	
12KPA11~170A/CA	11~170	BI/UNI	12000	P600	
15KP17~280A/CA	17~280	BI/UNI	15000	P600	
20KP20~300A/CA	20~300	BI/UNI	20000	P600	
20KP20~300A/CA	28~300	BI/UNI	30000	P600	



Description

The Automotive TVS series is designed to protect voltage sensitive components from high voltage, high energy transients. They have excellent clamping capability, high surge capability, low zener impedance and fast response time. This series is supplied in cost-effective, highly reliable package and it is ideal for use in automotive electronic applications.

Applications

DC Power Supply Security Surveillance Telecom Automotive

Part Number	$V_{RWM}(V)$	Polar	$P_{PPM}(W)$	Package	Figure
TPSVF20U/B3.3~190	3.3~190	Uni/Bi	200	SOD-123FL	
TPSVF40U/B3.3~190	3.3~190	Uni/Bi	400	SOD-123FL	
TPSVA40U/B3.3~440	3.3~440	Uni/Bi	400	SMA	
TPSVA60U/B5.0~440	3.3~440	Uni/Bi	600	SMA	
TPSVB60U/B6.8~600P	5.8~512	Uni/Bi	600	SMB	
TPSVB100U/B5.0~440	5.0~440	Uni/Bi	1000	SMB	
TPSVC150U/B5.0~440	5.0~440	Uni/Bi	1500	SMC	
TPSVC300U/B5.0~220	5.0~220	Uni/Bi	3000	SMC	
TPSVC500U/B11~170	11~170	Uni/Bi	5000	SMC	
TPSVC800U/B12~110	12~110	Uni/Bi	8000	SMC	
SM5S10~43A	10~43	Uni	3000	DO-218AB	
SM6S10~36A	10~36	Uni	4600	DO-218AB	
SM8S10~43A	10~43	Uni	6600	DO-218AB	



Description

Zener diodes provide precise voltage regulation. Zener diodes are available with power ranges from less than 350 mW to over 500 mW and include several automotive qualified and PPAP capable parts.

Applications

Power supply Telecom Safety surveillance Industrial

Part Number	$V_z(V)$	$P_d(W)$	$V_f(V)$	Package	Figure
BZT52BXX	2.4~43	0.35	0.9	SOD-123	
BZT52CXX	2.4~43	0.5	0.9	SOD-123	
BZT52BXXS	2.4~43	0.2	0.9	SOD-323	
BZX584CXX	2.4~43	0.15	0.9	SOD-523	
BZX84BXX	2.4~43	0.3	0.9	SOT-23	
SMF47XXA	2.85~100	1	1.2	SOD-123FL	
SMA47XXA	3.3~100	1	1.2	SMA	
SMA59XXA	3.3~200	1.5	1.5	SMA	
SMA2ZXXA	3.0~330	2	1.5	SMA	
SMB2ZXXA	3.0~220	2	1.2	SMB	
SMB3ZXXA	3.3~170	3	1.5	SMB	



Description

TSS has fast response speed and excellent clamping capability to against overvoltage spikes. Low leak current (in mA~100μA level) and junction capacitance (in 10~100pF level) features can meet the quality requirement in data transmission and low power consumption circuits. Semiware offers various packages in SMD and DIP types for different application requirements.

Applications

Telecom Industrial Smart meter Security surveillance

Part Number	V _{DRM} Min.(V)	I _{DRM} Max.(uA)	10/700uS (V)	10/1000uS (A)	Package	Figure
STF30B6.0~400	6.0~400	5	2000	30	SOD-123FL	
STF45B6.0~58	6.0~58	5	3000	45	SOD-123FL	
STA45B6.0~400	6.0~400	5	3000	45	SMA	
STA80B6.0~58	6.0~58	5	4000	80	SMA	
STA100B6.0~58	66.0~58	5	6000	100	SMA	
STB45B6.0~400	6.0~400	5	3000	45	SMB	
STB80B6.0~400	6.0~400	5	4000	80	SMB	
STB100B6.0~400	6.0~400	5	6000	100	SMB	
STB120B6.0~400	6.0~400	5	8000	120	SMB	



Description

It is designed to protect monolithic SLICs against overvoltages on the telephone line caused by lightning, a.c. power contact and induction (Subscriber Line Interface Circuits) against overvoltages on the telephone line caused by lightning, a.c. power contact and induction.

Applications

SLIC

Part Number	V _{DRM} Min.(V)	Protection lines	10/700uS (V)	10/1000uS (A)	Package	Figure
STP61089B	-170	1	3000	30	SOP-8	
STP61089H	-170	2	6000	100	SOP-8	
STP61089Q	-170	2	2000	30	SOP-8	

Part Number	V _{DRM} Min.(V)	I _H (mA)	I _S (mA)	V _T (V)	Package	Figure
PLED06~18F	6~18	5	100	1.2	SOD-123FL	
PLED06~18T	6~18	5	100	1.2	SMA	
PLED06~18S	6~18	5	100	1.2	SMB	



Description

GDT is a good solution for surge protection. The insulation resistance of GDT is over 1GΩ, which achieves low degradation speed and high reliability. Semiware offers different packages including SMD and DIP type GDT. GDT with two-electrode, three- electrode are both available.

Applications

Telecom High speed networking (e.g. coaxial cable, Ethernet connection)
Industrial Power Supply

Part Number	Pin Number	DC Beakdomn Voltage(V)	Tolerance	Impulse Discharge Current (KA)	Size(mm)	Figure
SG3216	2	150/200/300/400	30%	0.5	3.2x1.6x1.6	
SG3225	2	90/150/200/300/400	30%	1	3.2x2.5x2.5	
SG4532	2	90/150/200/300/400/600/800/1000	20%	2	4.5x3.2x2.7	
SG5042	2	75/90/150/200/300/400/600/800/1000	20%	5	5.0x5.0x4.2	
SG2R06	2	75/90/150/200/300/400/600/800/1000	20%	10	4.2x6.2x6.2	
SG2R05	2	75/90/150/200/300/400/600/800/1000	20%	5	Φ5.5x6.0	
SG2R05A	2	75/90/150/200/300/400/600/800/1000	20%	5	5.0x5.4x5.4	
SG2R05B	2	75/90/150/200/300/400/600/800/1000	20%	5	4.0x5.4x5.4	
SG2R08	2	75/90/150/200/300/400/600/800/1000	20%	20	Φ8.0x6.0	
SG3D05	2	90/150/200/300/400/600/800	20%	5	Φ5.0x7.6	
SG3R06C	3	90/150/200/300/400/600/800	20%	10	Φ6.0x8.5	
SG3R08	3	90/150/200/300/400/600/800	20%	20	Φ8.0x10.0	
SG3R08C	3	90/150/200/300/400/600/800	20%	20	10.0x8.0x8.0	

Description

SPG boasts low junction capacitance (< 2pF), meeting the quality requirements for telecommunication applications. Additionally, SPG exhibits a faster response speed (GDT ≤ 100nS), surpassing that of GDT. Semiware offers SPG products in both SMD and DIP-type packages to cater to various application requirements.

Applications

Power supply Telecom Safety surveillance Industrial

Part Number (Series)	Size (mm)	Surge Current (A)	Figure
SPG102L	Φ3.2x6.0	3000	
SPG302	Φ4.1x10.5	3000	
SPG302L	Φ2.8x5.0	1000	
SPG501	Φ1.4x3.4	300	
SPG501L	Φ2.1x4.0	500	
SPG102	Φ3.3x6.0	3000	

Description

PPTC is also known as resettable fuse. It has very low resistance under normal working status, no impact on the working circuit. The response speed of PPTC is from few dozen ms to few seconds level. It is proportional to the current value. Semiware provides SMD (case size: 0603 ~ 2920) and DIP package types for the usage in different applications.

Applications

Industrial Smart meter Measuring instrument Telecom

Series	I(hold)	Vmax	Figure
SMD 0603	0.10~0.50A	6~24V	
SMD 1206	0.125~2.00A	6~30V	
SMD 0805	0.10~1.10A	6~15V	
SMD 1812	0.10~3.00A	6~60V	
SMD 1210	0.05~2.00A	6~30V	
SMD 2016	0.30~2.00A	6~60V	
SMD 2920	0.30~5.00A	6~60V	
SK16	3.0~14A	16V	
SK30	0.9~9.0A	30V	
SK60	0.05~3.75A	60V	
SK130	0.1~1.35A	130V	
SK250	0.03~0.80A	250V	
SK600	0.11~0.16	500V	

Description

MOV has fast response speed to against overvoltage spikes and good surge energy absorption capability. It is usually used in lightning surge protection in the input of AC power lines.

Applications

AC power supply Telecom Circuit breaker Consumer
SPD (Surge Protection Devices) LED driver Smart meter

Series	Diameter	Surge Current(A)	Figure
SMV3220	8.0x6.3x3.5mm	250~1500	
SMV3225	8.0x6.3x3.8mm	250~1500	
SMV4032	10.4x8.2x4.2mm	500~2500	
5D	5mm	100~800	
7D	7mm	250~1750	
10D	10mm	500~3500	
14D	14mm	1000~6000	
20D	20mm	2000~10000	
25D	25mm	4500~15000	
32D	32mm	20000~25000	
34D	34mm	30000~40000	
40D	40mm	30000~40000	
53D	53mm	70000	

SCR

Description

High blocking voltage capability.Planar passivated for voltage ruggedness and reliability.Less sensitive gate for high noise immunity
Triggering in all four quadrants.

Applications

General purpose motor controls General purpose switching

Part Number	V _{DRM} Min (V)	I _{T(RMS)} Min(A)	I _{GT} (mA)	Package
SCx08M80	800	0.8	<0.2	TO-92/SOT-23/SOT-89
SCx1M80	800	1	<0.2	TO-92/SOT-223/SOT-89
SCx2M80	800	2	<0.2	SOT-223/SOT-89/TO-252/TO-251
SCx4M80	800	4	<0.2	TO-220A/TO-220B/TO-220C/TO-252/TO-251
SCx8M80	800	8	<0.2	TO-220A/TO-220B/TO-220C/TO-220F/TO-252/TO-251/TO-263
SCx12M80	800	12	<0.2	TO-220A/TO-220B/TO-220C/TO-220F/TO-252/TO-251/TO-263
SCx10C80	800	10	<10	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
SCx12C80	800	12	<15	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
SCx16C80	800	16	<15	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
SCx20C80	800	20	<25	TO-220A/TO-220B/TO-220C/TO-263
SCx25C80	800	25	<40	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
SCx40Cxx	800/1200/1600	40	<35	TO-220A/TO-220B/TO-220C/TO-220F/TO-263/TO-3P
SCx55Cxx	800/1200/1600	55	<50	TO-3P/TO-247S

3Q TRIACS

Part Number	V _{DRM} Min (V)	I _{T(RMS)} Min(A)	I _{GT} (I-II-III)mA)	Package
STx1A80xx	800	1	<50	TO-92/SOT-223/SOT-89
STx2A80xx	800	2	<50	TO-92/SOT-223/SOT-89
STx4A80xx	800	4	<50	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
STx8A80xx	800	8	<50	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
STx12A80xx	800	12	<50	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx16A80xx	800	16	<50	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx20A80xx	800	20	<50	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx25Axxxx	800/1200/1600	25	<50	TO-220A/TO-220B/TO-220C/TO-220F/TO-263/TO-3P
STZ40A160xx	1600	40	<50	TO-3P

4Q TRIACS

Part Number	V _{DRM} Min (V)	I _{T(RMS)} Min(A)	I _{GT} (IV)mA)	Package
STx1Q80xx	800	1	<10	TO-92/SOT-223/SOT-89
STx4Q80xx	800	4	<70	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
STx8Q80xx	800	8	<100	TO-220A/TO-220B/TO-220C/TO-252/TO-251/TO-263
STx12Q80xx	800	12	<100	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx16Q80xx	800	16	<70	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx20Q80xx	800	20	<70	TO-220A/TO-220B/TO-220C/TO-220F/TO-263
STx25Q80xx	800	25	<70	TO-220A/TO-220B/TO-220C/TO-220F/TO-263/TO-3P
STZ40Qxxxx	800/1200/1600	40	<70	TO-3P

Description

Schottky Rectifier with rating 1A and higher which is used in switching rectification application in power products.H type Schottky provides low IR,and provides extremely low reverse current, low power dissipation and can sustain higher voltage which prevents the thermal runaway problem during high operating temperature.

Applications

Power supply Telecom Safety surveillance Industrial

Part Number	V _{RRM} Max.(V)	V _{RRS} Max.(V)	I _{FSM} (A)	Package	Figure
SRB521D1-30	30	30	0.5	DFN1006	
1N5820~5822	40	28	80	DO-201AD	
SR520~5200	20~150	20~150	120	DO-201AD	
SS12A~520A	20~200	14~140	1~5	SMA	
SS24B~520B	200~200	28~140	50~120	SMB	
SS32C~820C	20~200	14~140	28~150	SMC	
B5817W~5819W	20~40	14~28	9	SDO-123	
SS13D~19D	70~90	49~63	1	SDO-123FL	
1SS357	45	40	1	SDO-323	
RB751S-40	40	40	0.2	SDO-523	
BAR43S	30	21	0.8	SOT-23	
SP1550	50	35	250	TO-277B	

Description

The OCP function turns off Output if the load current is over the threshold and recovers when VIN re-plug or CE reactive. The OCP current limit threshold is adjustable by an external RILIM. When the ILIM pin short to GND, the current limitation will be disable, the IC cut off the output voltage in heavy load conditions to protect IC from damage by OTP.

Applications

Mobile Handsets and Tablets Portable Media Players Low-Power Handheld Devices

Part Number	V _{MAX} (V)	R _{dson} (mΩ)	V _{OVP} (V)	Package	Figure
SOVP5905	30	120	6.1	SOT23-6	
SOVP5906	30	110	6.1/ADJ	SOT23-6	
SOVP5908	30	110	6.1/ADJ	DFN2X2-8L	
SOVP5802	30	28	ADJ	SOT23-6	
SOVP5801B	30	28	ADJ	SOT23-6	
SOVP5800B	30	45	ADJ	SOT23-6	

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