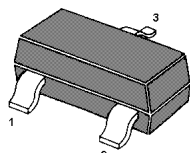


SURFACE MOUNT TRANSIENT VOLTAGE SUPPRESSOR DIODE

SOT-23


MARKING : *G5



Features

- 350W (8/20μs) Peak Pulse Power
- High ESD Protection Level
- SOT23 Thin SMD Package
- RoHS compliant
- Matte Tin Lead finish (Pb-Free)

Applications

- DeviceNet
- Low and High Speed S2BT
- Smart Distribution Systems (SDS)
- Controlled Area Network – ESD 1.1 / ESD FD

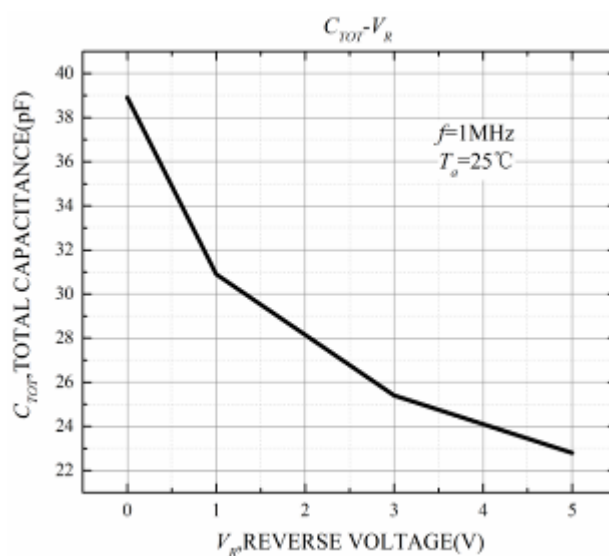
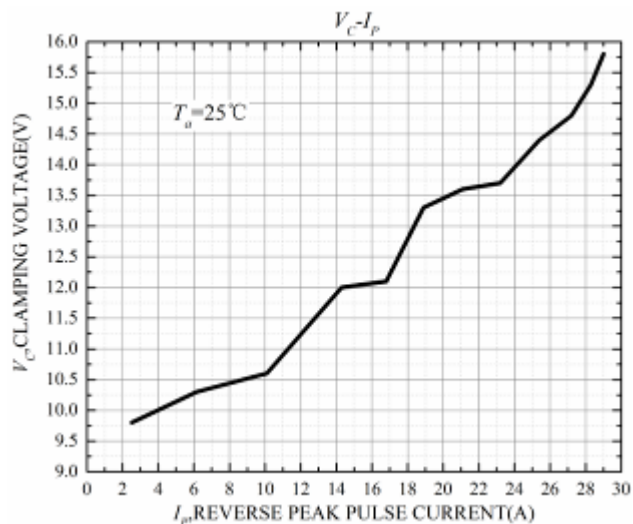
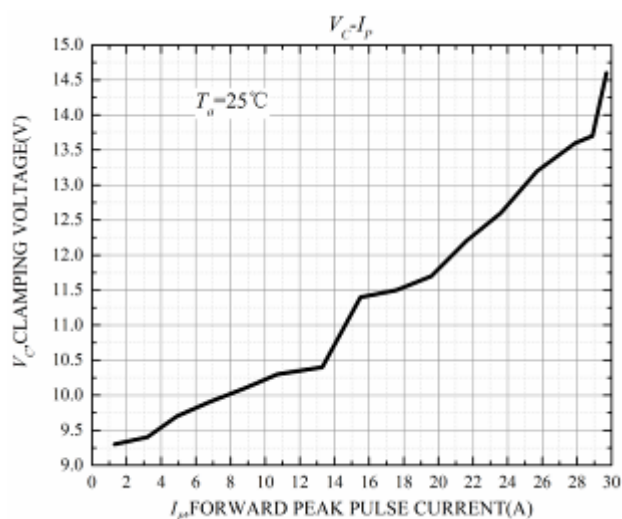
Absolute Maximum Ratings (TA=25°C unless otherwise specified)

Symbol	Parameter	Value	Unit
PPK	Peak Pulse Power	350	W
IPP	Peak Pulse Current	20	A
VESD (Contact)	Contact ESD Voltage per IEC61000-4-2	20	kV
VESD (Air)	Air ESD Voltage per IEC61000-4-2	20	kV
TJ	Junction Temperature	-65 to +150	°C
TSTG	Storage Temperature	-65 to +150	°C

Electrical Characteristics (TA=25°C unless otherwise specified)

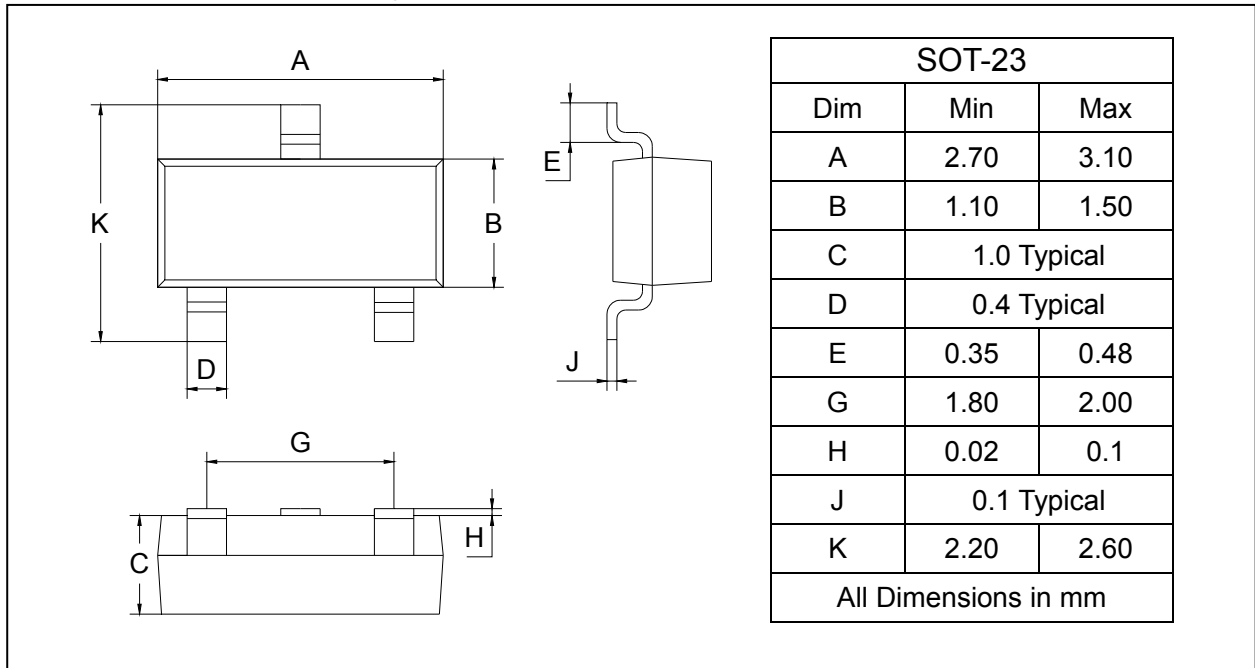
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
VRWM	Reverse Working Peak Voltage				5	V
VBR	Reverse Breakdown Voltage	IT = 1mA	5.8		8.3	V
IR	Reverse Leakage Current	VRWM = 5 V		<1	100	nA
VC	Clamping Voltage	IPP = 2A (8/20μs)			9	V
VC	Clamping Voltage	IPP = 20A (8/20μs)			20	V
CJ	Capacitance	VR = 0V, f = 1MHz		39		pF

Typical Characteristics

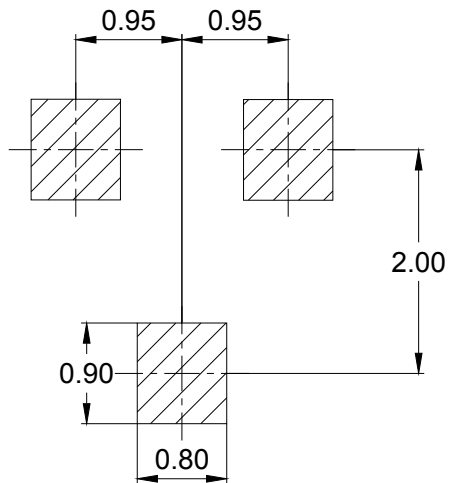


Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



Unit : mm