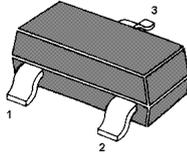
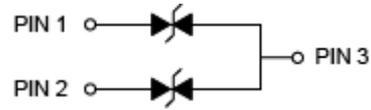


CAN bus ESD protection diode
SOT-23

MARKING : 6RW*

FEATURES

- 230W (8/20 μ s) Peak Pulse Power
- High ESD Protection Level
- SOT23 Thin SMD Package
- RoHS compliant
- Matte Tin Lead finish (Pb-Free)
- Protect Two CAN Bus Lines

APPLICATIONS

- DeviceNet
- Low and High Speed CAN
- Smart Distribution Systems (SDS)
- Controlled Area Network – CAN 2.1 / CAN FD

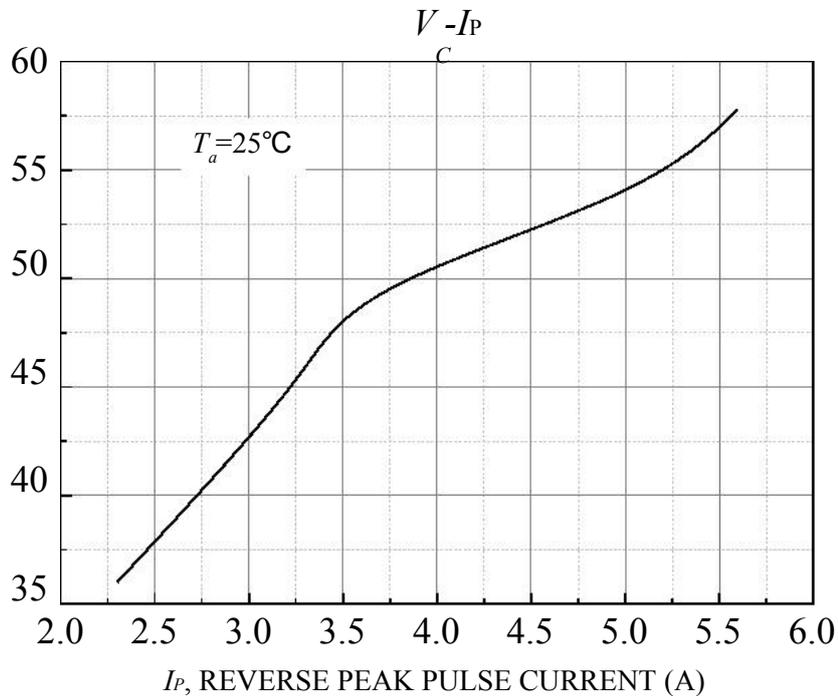
ABSOLUTE RATINGS(Ta = 25° C)

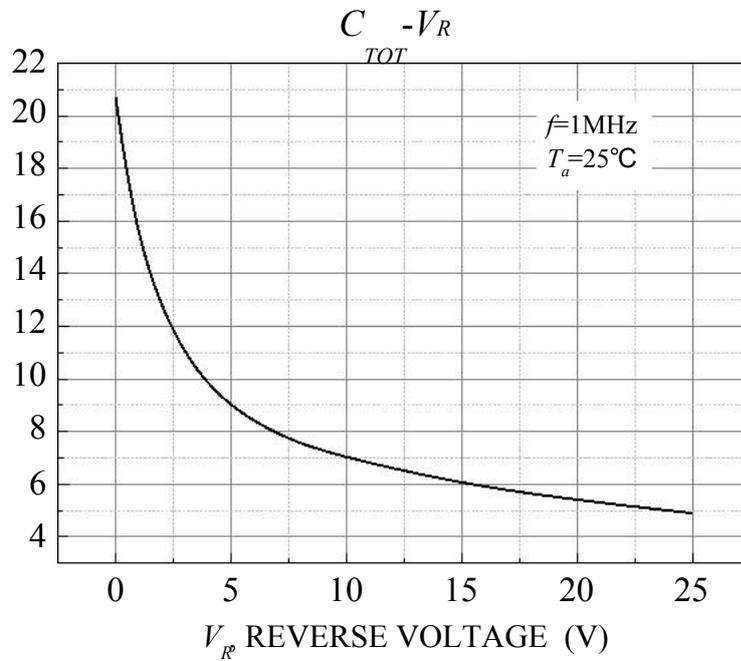
Symbol	Parameter	Value	Unit
PPK	Peak Pulse Power	230	W
IPP	Peak Pulse Current	4	A
VESD (Contact)	Contact ESD Voltage per IEC61000-4-2	25	kV
VESD (Air)	Air ESD Voltage per IEC61000-4-2	25	kV
TJ	Junction Temperature	-65 to +150	°C
TSTG	Storage Temperature	-65 to +150	°C

ELECTRICAL CHARACTERISTICS(Ta=25°C)

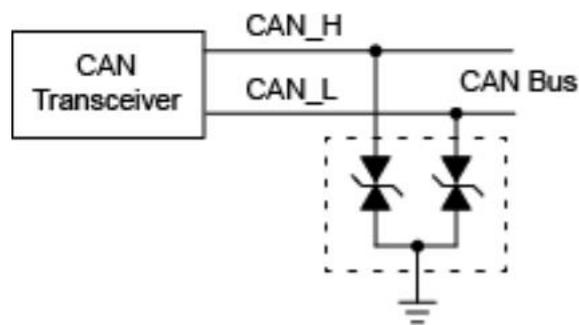
Symbol	Parameter	Conditions	Min	Typ	Max	Unit
VRWM	Reverse Working Peak Voltage				24	V
VBR	Reverse Breakdown Voltage	IT = 1mA	26.7		30.5	V
IR	Reverse Leakage Current	VRWM = 24V		<1	100	nA
VC	Clamping Voltage	IPP = 1A (8/20μs)			40	V
VC	Clamping Voltage	IPP = 4A (8/20μs)			60	V
CJ	Capacitance	VR = 0V, f = 1MHz		11	17	pF

ELECTRICAL CHARACTERISTICS CURVE



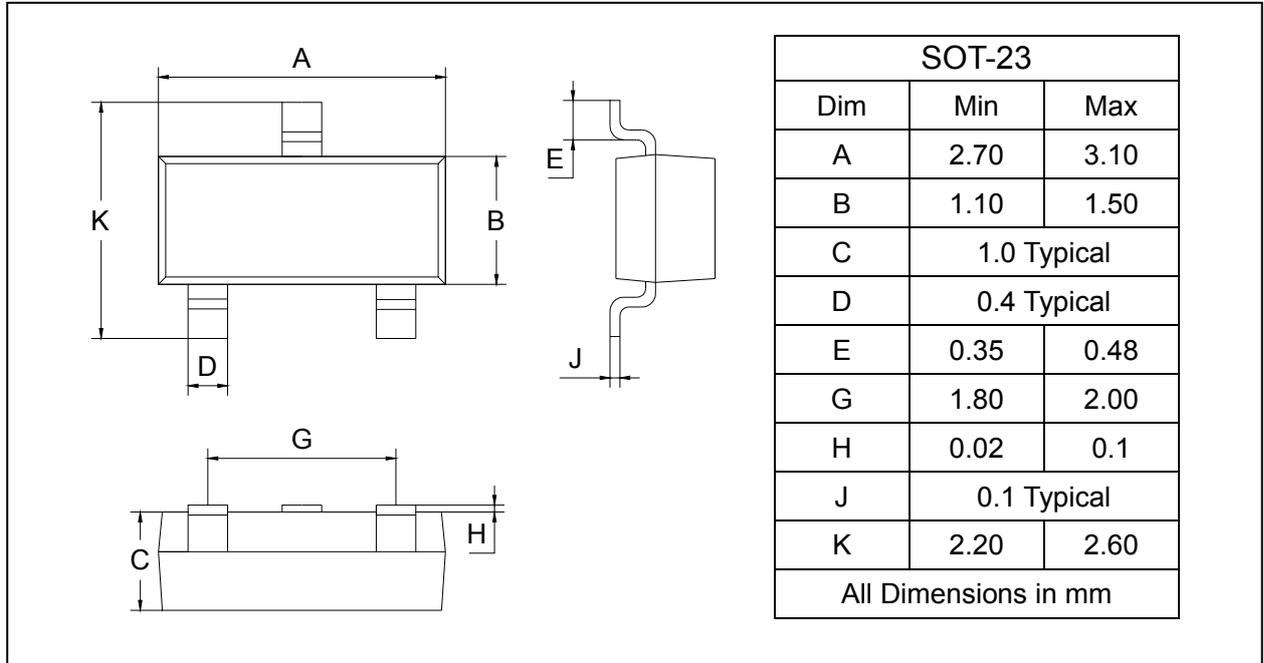


Reverse Voltage vs Capacitance



Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT

