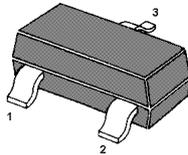
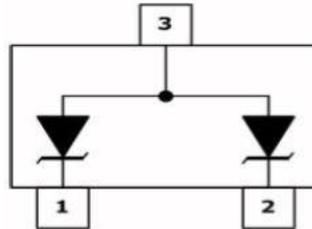


ESD Protection Diode

SOT-23



MARKING : 15C


FEATURES

- IEC61000-4-2 (ESD) $\pm 15\text{kV}$ (air), $\pm 8\text{kV}$ (contact)
- IEC61000-4-4 (EFT) 40A (5/50ns)
- 300 Watts Peak Pulse Power per (tp=8/20 μs)
- Protects one bidirectional line or two unidirectional lines
- Low clamping voltage
- Working voltages : 15V
- Low leakage current

APPLICATIONS

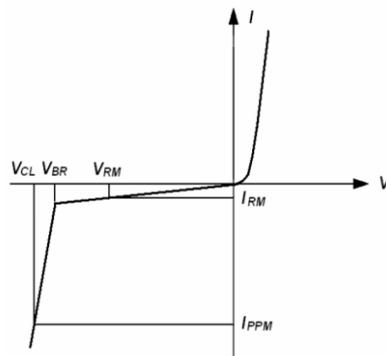
- Cell Phone Handsets and Accessories
- Microprocessor based equipment
- Personal Digital Assistants (PDA's)
- Notebooks, Desktops, and Servers
- Portable Instrumentation
- Networking and Telecom
- Serial and Parallel Ports.
- Peripherals

ABSOLUTE RATINGS (Ta = 25°C)

Parameter	Symbol	Limits	Unit
Peak Pulse Power (tp = 8/20 μs)	PPP	300	W
Lead Solder Temperature – Maximum (10 Second Duration)	TL	260	°C
Storage Temperature Range	Tstg	-55 ~ +150	°C
Operating Temperature Range	Top	-40 ~ +125	°C
Maximum junction temperature	Tj	150	°C
Electrostatic discharge	ESD		kV
IEC61000-4-2 air discharge		± 30	
IEC61000-4-2 contact discharge		± 30	

ELECTRICAL CHARACTERISTICS(Ta=25°C)

Symbol	Parameter
VRM	Stand-off voltage
VBR	Breakdown voltage
VCL	Clamping voltage
IRM	Leakage current
IPPM	Peak pulse current

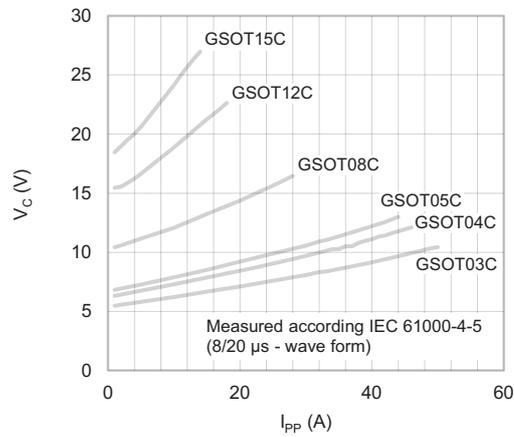
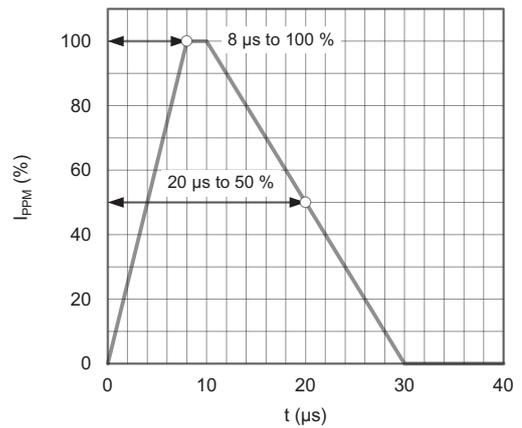
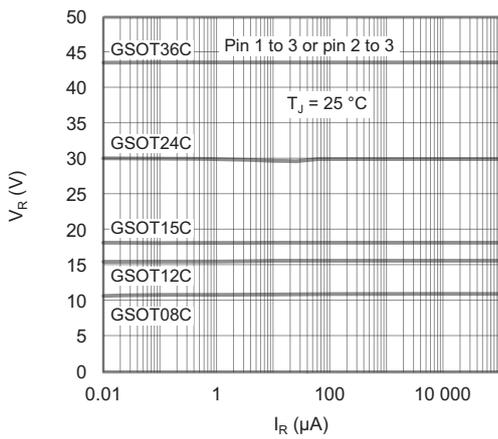
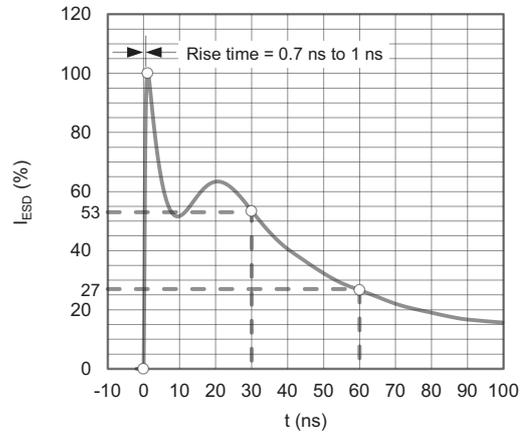
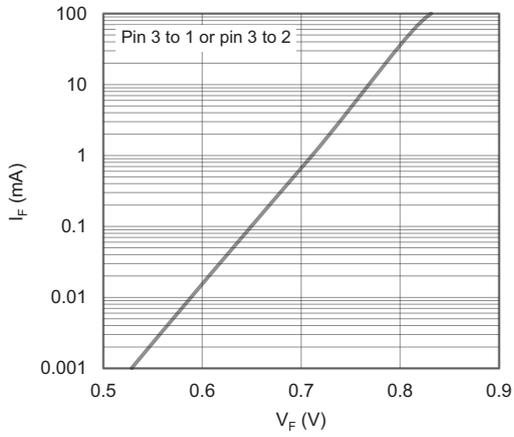


ELECTRICAL CHARACTERISTICS(Ta=25°C)

DEVICE	VRWM (V) (max.)	VB (V) (min.)	IT (mA)	Vc@5A (V) (max.)	Vc (V) (max.) (@A)	IR (μA) (max.)	CT (pF) (max.)
GSOT15C	15	16.7	1	24	30/12	1	100

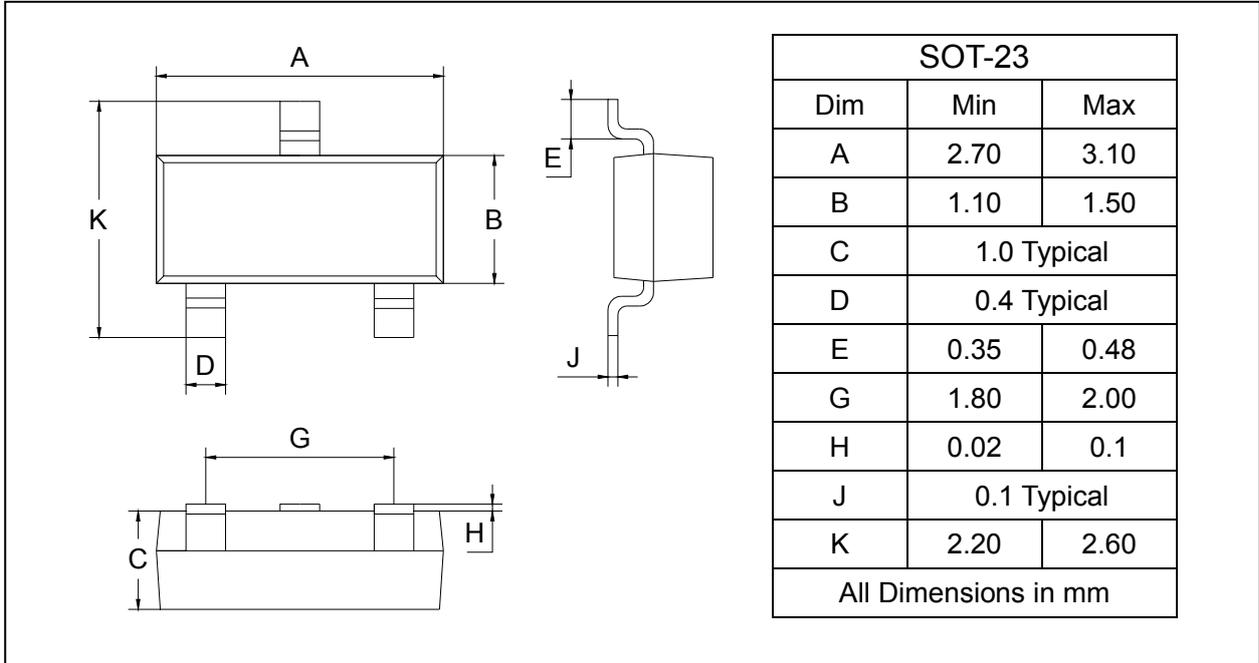
1. 8/20 waveform used.

ELECTRICAL CHARACTERISTICS CURVE

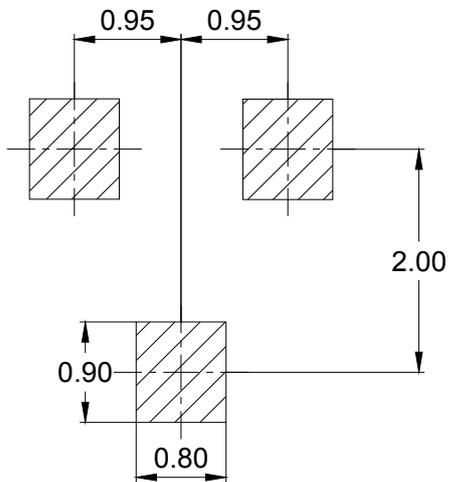


Plastic surface mounted package

SOT-23



SOLDERING FOOTPRINT



Unit : mm