



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

STANDARD CAPACITANCE TVS
VOLTAGE 15 V
200 WATTS PEAK PULSE POWER

TVS15VESGP

FEATURES

- *Unidirectional
- * Low leakage current
- *Protects one power or I/O port
- * High temperature soldering guaranteed :
260°C/10 seconds at terminals
- *ESD per IEC 61000-4-2 (AIR) +/-30KV
- *ESD per IEC 61000-4-2 (CONTACT) +/-30KV
- *ESD per HBM : 10 KV

MECHANICAL DATA

Case: JEDEC SOT-23 molded plastic

Polarity: See connection diagram

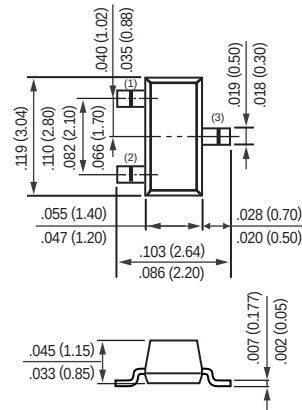
Mounting Position: Any

MARKING

*15C



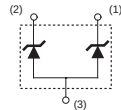
SOT-23



Dimensions in millimeters

SOT-23

CIRCUIT



MAXIMUM RATINGS (At TA = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at tp = 8X20uSec	PPK	200	Watts
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	TSTG	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (At TA = 25°C unless otherwise noted)

PRODUCT NO.	Breakdown Voltage			@ IT (mA)	Working Peak Reverse Voltage	Maximum Reverse Leakage at Vrwm	Maximum Reverse Current	Maximum Reverse Voltage at Ipp (clamping)	Typical Junction Capacitance
	VBR Volts								
	MIN.	NOM.	MAX.		Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	CT (pF)
TVS15VESGP	17.4	18.0	18.4	1.0	15	1.0	5.0	40	80

RATING CHARACTERISTIC CURVES (TVS15VESGP)

FIG. 1 - PULSE WARE FORM

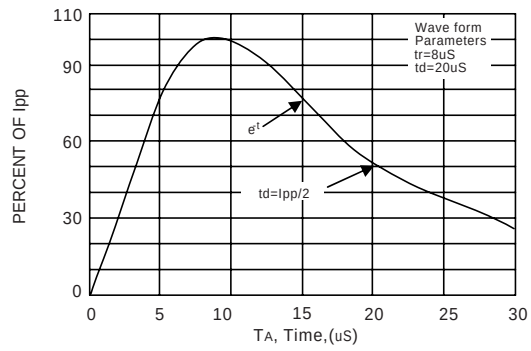


FIG. 2 - NONREPETITIVE PEAK PULSE POWER CURVES

