



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

STANDARD CAPACITANCE TVS

VOLTAGE 12V

350 WATTS PEAK PULSE POWER

TVSP12VCESGP

FEATURES

- *Bidirectional
- *350W peak pulse power dissipation rating at $t_p = 8 \times 20 \mu\text{Sec}$
- * Low leakage current
- *ESD per IEC 61000-4-2 (AIR) 15KV
- *ESD per IEC 61000-4-2 (CONTACT) 8KV
- *ESD per HBM : 30 KV
- * High temperature soldering guaranteed:
260°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC SC-76/SOD-323 molded plastic

Polarity: See connection diagram

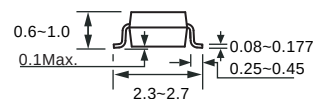
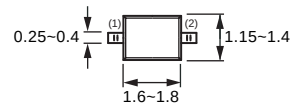
Mounting Position: Any

MARKING

* 12C



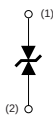
SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

CIRCUIT



MAXIMUM RATINGS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at $t_p = 8 \times 20 \mu\text{Sec}$	PPK	350	Watts
Operating Temperature Range	T_J	-55 to +125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS (At $T_A = 25^\circ\text{C}$ unless otherwise noted)

PRODUCT NO.	Breakdown Voltage				Working Peak Reverse Voltage	Maximum Reverse Leakage at Vrwm	Maximum Reverse Current tp = 8X20uSec	Maximum Reverse Voltage at Ipp (clamping)	Typical Junction Capacitance
	VBR Volts			@ IT (mA)					
	MIN.	NOM.	MAX.		Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	Cτ (pF)
TVSP12VCESGP	13.3	-	-	1.0	12	1.0	15	24	100

RATING CHARACTERISTIC CURVES (TVSP12VCESGP)

FIG. 1 - PULSE WARE FORM

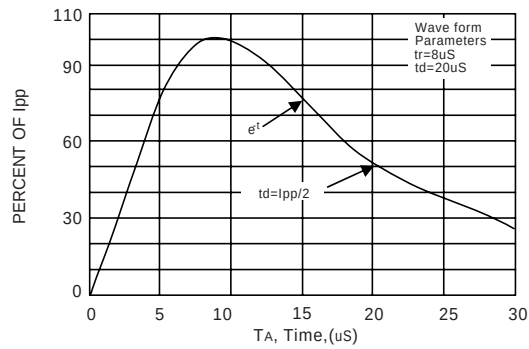


FIG. 2 - NONREPETITIVE PEAK PULSE POWER CURVES

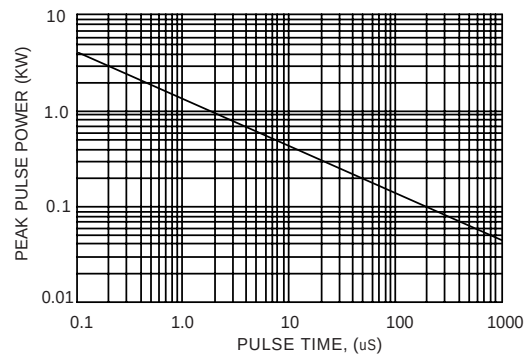


FIG. 3 - POWER DERATING CURVE

