



# CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

STANDARD CAPACITANCE TVS  
VOLTAGE 5V  
350 WATTS PEAK PULSE POWER

TVSP5VCESGP

**FEATURES**

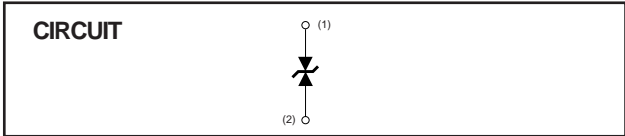
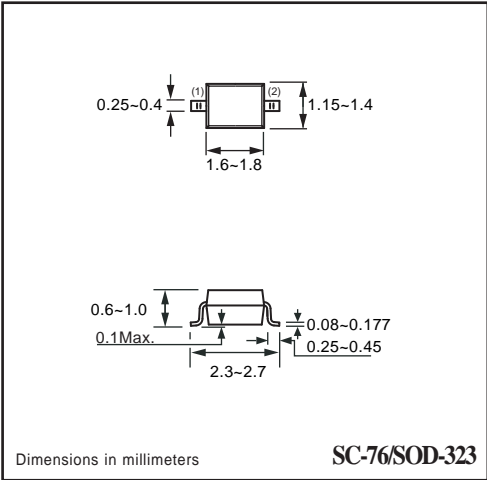
- \*Bidirectional
- \*350W peak pulse power dissipation rating at  $t_p = 8 \times 20 \mu\text{Sec}$
- \* Low leakage current
- \*ESD per IEC 61000-4-2 (AIR) 15KV
- \*ESD per IEC 61000-4-2 (CONTACT) 8KV
- \*ESD per HBM : 30 KV
- \* High temperature soldering guaranteed:  
260°C/10 seconds at terminals

**MECHANICAL DATA**

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

Polarity: See connection diagram

Mounting Position: Any



**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	°C
Storage Temperature Range	$T_{STG}$	-55 to +150	°C

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

PRODUCT NO.	Breakdown Voltage			@ $I_T$ ( mA )	Working Peak Reverse Voltage	Maximum Reverse Leakage at $V_{rwm}$	Maximum Reverse Current at $t_p = 8 \times 20 \mu\text{Sec}$	Maximum Reverse Voltage at $I_{pp}$ ( clamping )	Typical Junction Capacitance
	VBR Volts		MIN.						
	MIN.	NOM.		MAX.	$V_{rwm}$ ( V )	$I_r$ ( $\mu\text{A}$ )	$I_{pp}$ ( A )	$V_c$ ( V )	$C_T$ ( pF )
TVSP5VCESGP	6.0	-	-	1.0	5	10	20.2	19.2	200

## RATING CHARACTERISTIC CURVES ( TVSP5VCESGP )

FIG. 1 - PULSE WAVE FORM

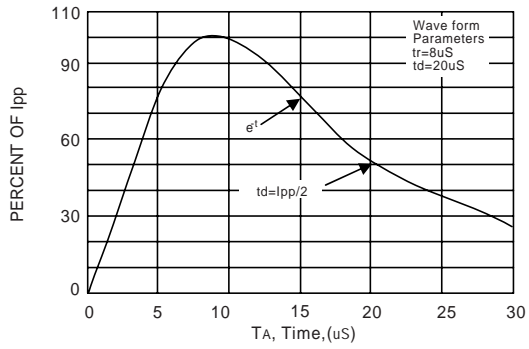


FIG. 2 - NONREPETITIVE PEAK PULSE POWER CURVES

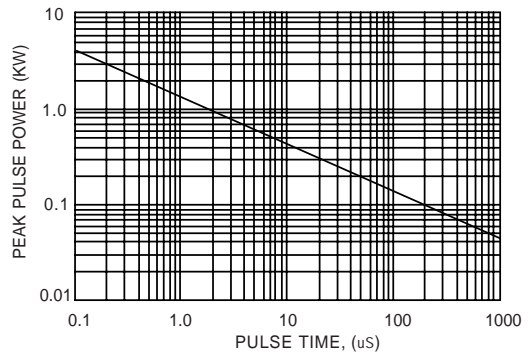


FIG. 3 - POWER DERATING CURVE

