



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

STANDARD CAPACITANCE TVS
VOLTAGE 5 V
240 WATTS PEAK PULSE POWER

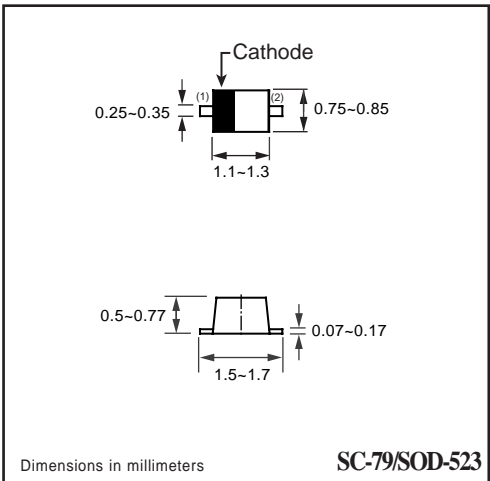
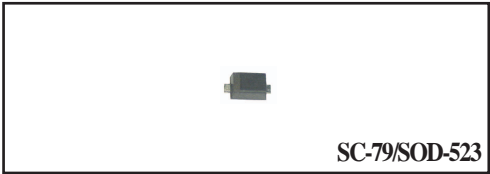
TVSS5VESGP

FEATURES

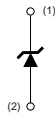
- * Low leakage current
- * Protects one power or I/O port
- * High temperature soldering guaranteed :
260°C/10 seconds at terminals
- * ESD per IEC 61000-4-2 (AIR) +/-30KV
- * ESD per IEC 61000-4-2 (CONTACT) +/-30KV
- * ESD per HBM : 16 KV

MECHANICAL DATA

Case: JEDEC SOD-523 molded plastic
Polarity: See connection diagram



CIRCUIT



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

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at tp = 8X20uSec	PPK	240	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				Working Peak Reverse Voltage	Maximum Reverse Leakage at Vrwm	Maximum Reverse Current	Maximum Reverse Voltage at Ipp (clamping)	Typical Junction Capacitance
	VBR Volts			@ IT (mA)					
	MIN.	NOM.	MAX.						
TVSS5VESGP	6.2	-	-	1.0	Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	Ct (pF)
					5.0	0.05	9.4	18.6	80

RATING CHARACTERISTIC CURVES (TVSS5VESGP)

FIG. 1 - PULSE WARE FORM

