CHENMKO ENTERPRISE CO.,LTD

CHSP12-T1GP-A

Halogens free devices

STANDARD CAPACITANCE TVS

VOLTAGE 12 V

320 WATTS PEAK PULSE POWER

FEATURES

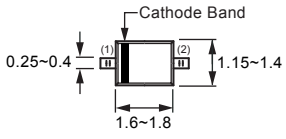
*Undirectional
* Low leakage current
*Protects one power or I/O port
* High temperature soldering guaranteed : 260°C/10 seconds at terminals
*ESD per IEC 61000-4-2 (AIR) 30KV
*ESD per IEC 61000-4-2 (CONTACT) 30KV
*IEC61000-4-4 (EFT) 40A (5/50ns)
*IEC61000-4-5 13A

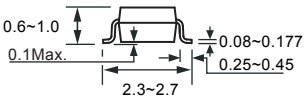
MECHANICAL DATA

Case: JEDEC SOD-323 molded plastic
Polarity: See connection diagram



SC-76/SOD-323





Dimensions in millimeters

SC-76/SOD-323

CIRCUIT



MAXIMUM RATINGES (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at t_p = 8X20uSec	P_{PK}	320	Watts
Operating Temperature Range	T_J	-55 to +150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

ELECTRICAL CHARACTERISTICS (At T_A = 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.		Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	C_T (pF)
CHSP12-T1GP-A	13.3	-	-	1.0	12	0.9	13	25	130

2013-07

RATING CHARACTERISTIC CURVES (CHSP12-T1GP-A)

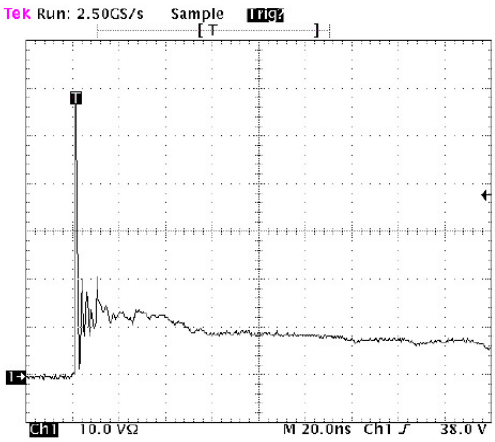


Figure 1. ESD Clamping Voltage Screenshot
Positive 8 kV contact per IEC 61000−4−2

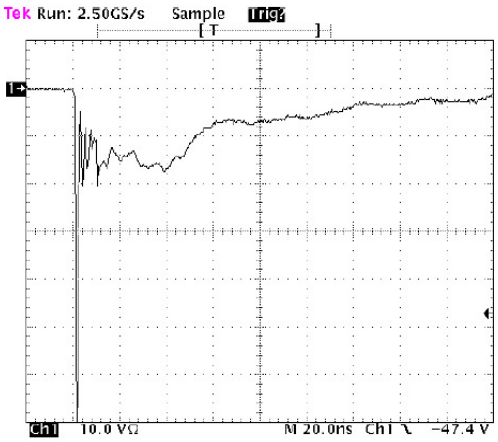


Figure 2. ESD Clamping Voltage Screenshot
Negative 8 kV contact per IEC 61000−4−2

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SURFACE MOUNT

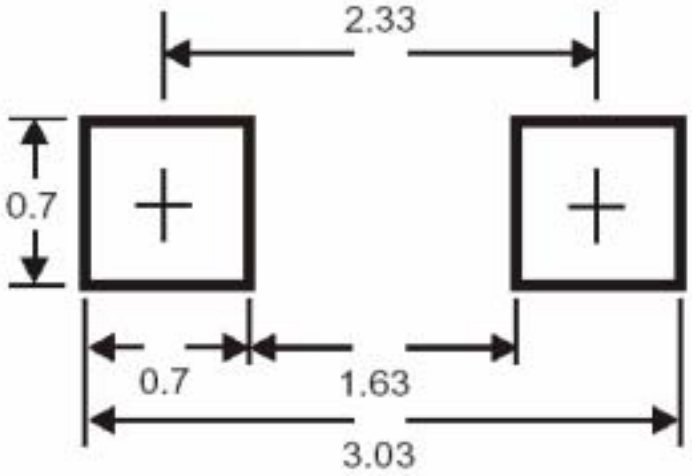
RECOMMENDED FOOT PRINT

all dimensions in mm

SC-76

SOD-323

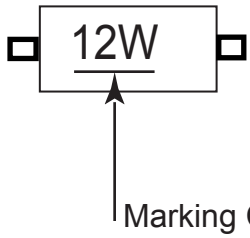
SC-76/SOD-323



The Marking and Part No. for CHSP12-T1GP-A

(SC-79)

Marking:



CUSTOMER :	APPROVED :	CHENMKO LTD.
APPROVED :	CHECKED :	
CHECKED :	DRAWN :	DRAWING No. :