



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

STANDARD CAPACITANCE TVS
VOLTAGE 5 V
500 WATTS PEAK PULSE POWER

CHSP5GP-A

FEATURES

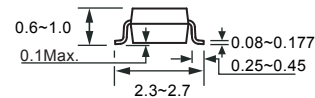
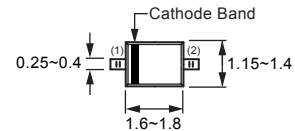
- *Unidirectional
- * Low leakage current
- *Protects one power or I/O port
- * High temperature soldering guaranteed :
260°C/10 seconds at terminals
- *ESD per IEC 61000-4-2 (AIR) 15KV

MECHANICAL DATA

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



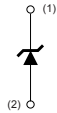
SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

CIRCUIT



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

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at t _p = 8X20uSec	PPK	500	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°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.						
CHSP5GP-A	6.0	-	-	1.0	Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	CT (pF)

2013-05

RATING CHARACTERISTIC CURVES (CHSP5GP-A)

FIG. 1 - PULSE WARE FORM

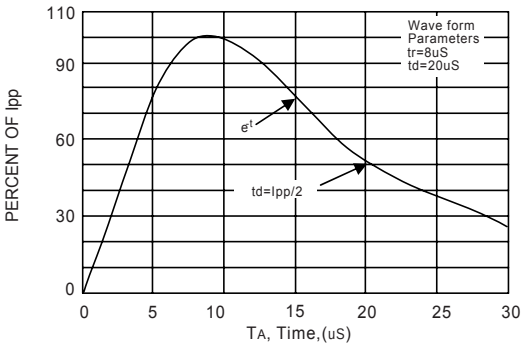


FIG. 2 - NONREPETITIVE PEAK PULSE POWER CURVES

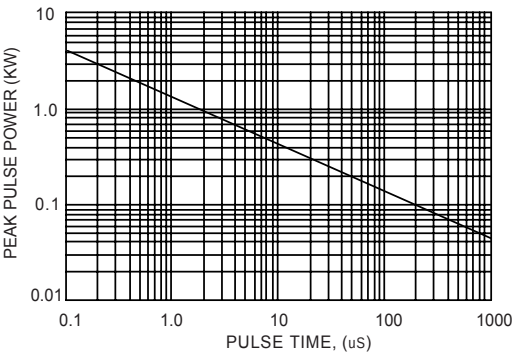
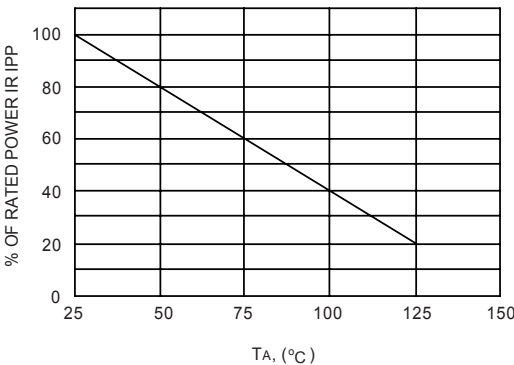


FIG. 3 - POWER DERATING CURVE





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SURFACE MOUNT

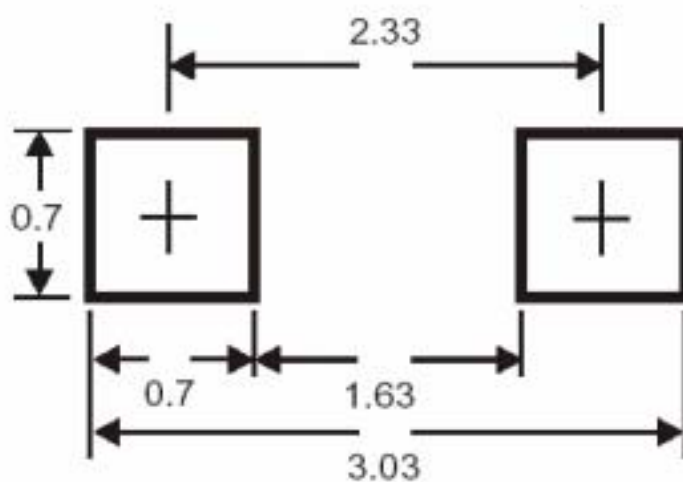
RECOMMENDED FOOT PRINT

all dimensions in mm

SC-76

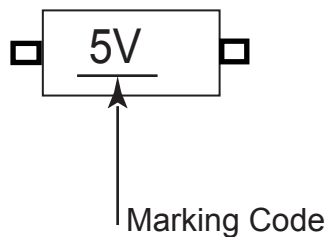
SOD-323

SC-76/SOD-323



The Marking and Part No. for CHSP5GP-A
(SC-76)

Marking:



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