



# CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

LOW CAPACITANCE TVS  
VOLTAGE 5 V  
200 WATTS PEAK PULSE POWER

TVSK5VADESGP

## FEATURES

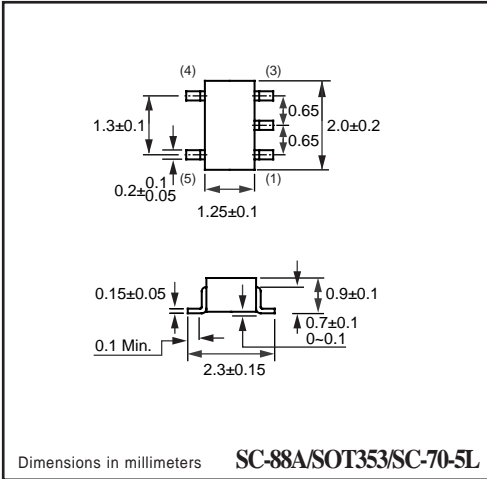
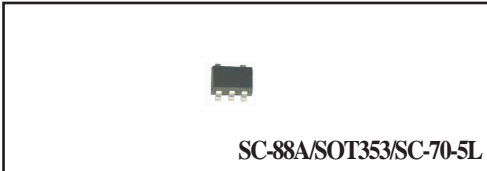
- \*200W peak pulse power dissipation rating at  $t_p = 8 \times 20 \mu\text{Sec}$
- \*Protects four I/O lines
- \* High temperature soldering guaranteed :  
260°C/10 seconds at terminals
- \*ESD per IEC 61000-4-2 (AIR) :15KV
- \*ESD per IEC 61000-4-2 (CONTACT) : 8KV

## MECHANICAL DATA

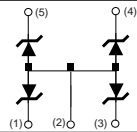
Case: JEDEC SC-88A molded plastic

## MARKING

\* WE



## CIRCUIT



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

RATINGS	SYMBOL	VALUE	UNITS
Peak Pulse Power at $t_p = 8 \times 20 \mu\text{Sec}$	PPK	200	Watts
Operating Temperature Range	TJ	-55 to +125	°C
Storage Temperature Range	TSTG	-55 to +150	°C

## ELECTRICAL CHARACTERISTICS ( At TA = 25°C unless otherwise noted )

PRODUCT NO.	Breakdown Voltage			@ IT ( mA )	Working Peak Reverse Voltage	Maximum Reverse Leakage at Vrwm	Maximum Reverse Current at Ipp ( tp = 8X20uSec )	Maximum Reverse Voltage at Ipp ( clamping )	Typical Junction Capacitance Note 1
	VBR Volts								
	MIN.	NOM.	MAX.						
TVSK5VADESGP	6.0	--	--	1.0	5.0	10	12	12.5	175

NOTES : 1.Between I/O pins and Grounf at VR=0V , f=1MHz , TA=25°C

2007-02

## RATING CHARACTERISTIC CURVES ( TVSK5VADESGP )

FIG. 1 - PULSE WARE FORM

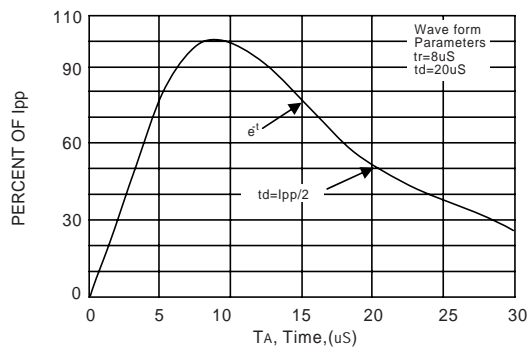


FIG. 2 - NONREPETITIVE PEAK PULSE POWER CURVES

