



CHENMKO ENTERPRISE CO.,LTD

STANDARD CAPACITANCE TVS
VOLTAGE 5V
150 WATTS PEAK PULSE POWER

TVSG25VCESGP

Halogens free devices

APPLICATIONS

- *Cellular phones
- *Portable devices
- *Digital cameras
- *Power supplies

FEATURES

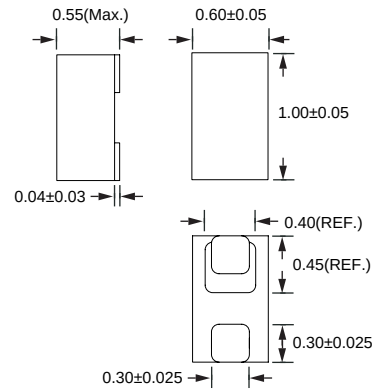
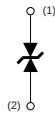
- *150W peak pulse power dissipation rating at $t_p = 8 \times 20 \mu\text{Sec}$
- *Maximum reverse voltage V_c : 11.6V at $I_{pp} = 5A$ ($t_p = 8 \times 20 \mu\text{Sec}$)
- * Low leakage current
- *Response time is typically $< 1nS$
- *ESD per IEC 61000-4-2 (AIR) 30KV
- *ESD per IEC 61000-4-2 (CONTACT) 30KV
- *ESD per HBM : 16 KV

MARKING

- * N

FBPD-923

CIRCUIT



Dimensions in millimeters

FBPD-923

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	150	Watts
Operating Temperature Range	T_J	-40 to +125	$^\circ\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^\circ\text{C}$

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

PRODUCT NO.	Breakdown Voltage				Working Peak Reverse Voltage	Maximum Reverse Leakage at Vrwm	Maximum Reverse Current tp = 8X20uSec	Maximum Reverse Voltage at Ipp (clamping)	Typical Junction Capacitance
	VBR Volts			@ IT (mA)					
	MIN.	NOM.	MAX.		Vrwm (V)	Ir (uA)	Ipp (A)	Vc (V)	CT (pF)
TVSG25VCESGP	6.2	-	-	1.0	5	1.0	9.4	18.6	30

RATING CHARACTERISTIC CURVES (TVSG25VCESGP)

FIG. 1 - PULSE WARE FORM

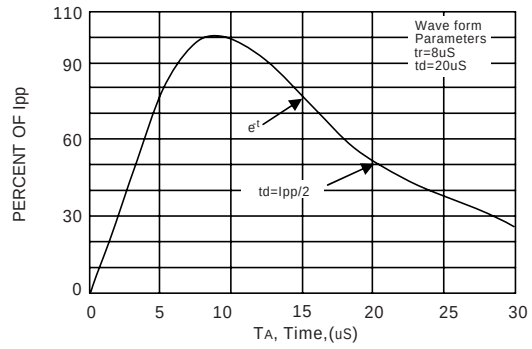


FIG. 2 - POWER DERATING CURVE

