# CHENMKO ENTERPRISE CO.,LTD

**CHSS5ESGP**

Halogens free devices

***STANDARD CAPACITANCE TVS***

*VOLTAGE 5 V*

*240 WATTS PEAK PULSE POWER*

## 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

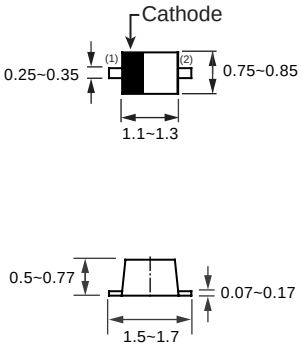
**Case:** JEDEC SOD-523 molded plastic
**Polarity:** See connection diagram
**Mounting Position:** Any

## MARKING

* ZF

## CIRCUIT

SC-79/SOD-523




Dimensions in millimeters

SC-79/SOD-523

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

| RATINGS | SYMBOL | VALUE | UNITS |
|---|---|---|---|
| Peak Pulse Power at $t_p$ = 8X20uSec | $P_{PK}$ | 240 | 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 ) |
| CHSS5ESGP | 6.2 | - | - | 1.0 | 5.0 | 0.05 | 9.4 | 18.6 | 50 |

# RATING CHARACTERISTIC CURVES ( CHSS5ESGP )

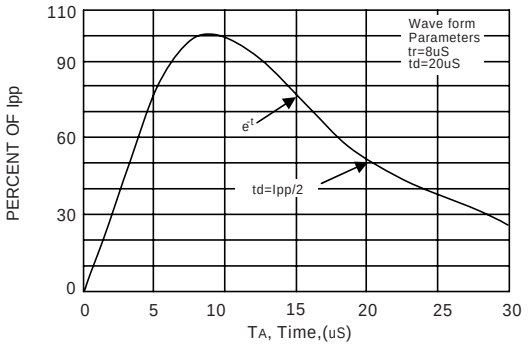



FIG. 1 - PULSE WARE FORM