



# CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

## SURFACE MOUNT SWITCHING DIODE

VOLTAGE 80 Volts CURRENT 0.1 Ampere

**CHN217GP**

### APPLICATION

\* Ultra high speed switching

### FEATURE

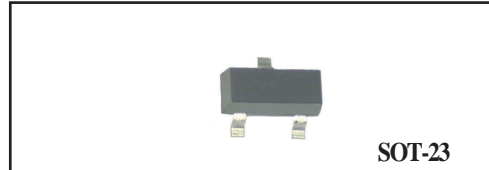
- \* Small surface mounting type. (SOT-23)
- \* Two diode elements are connected in series (VFX2) per circuit.
- \* Maximum total power dissipation is 200mW.
- \* Peak forward current is 300mA.

### CONSTRUCTION

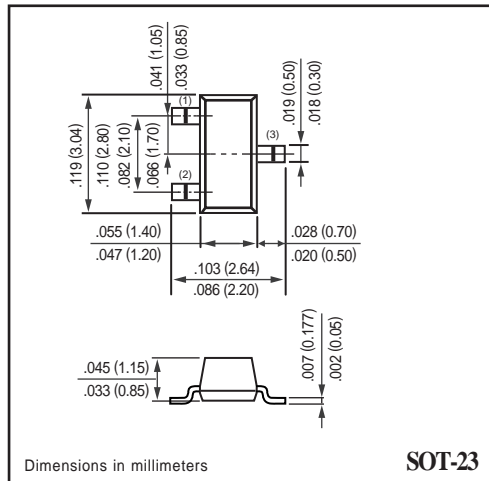
\* Silicon epitaxial planar

### MARKING

\* A7

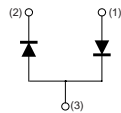


**SOT-23**



**SOT-23**

### CIRCUIT



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

| RATINGS  | SYMBOL | CHN217GP    | UNITS |
|--|--------|-------------|-------|
| Maximum Recurrent Peak Reverse Voltage                 | VRRM   | 80          | Volts |
| Maximum RMS Voltage                                    | VRMS   | 56          | Volts |
| Maximum DC Blocking Voltage                            | VDC    | 80          | Volts |
| Maximum Average Forward Rectified Current              | IO     | 0.1         | Amps  |
| Peak Forward Surge Current at 1 uSec                   | IFSM   | 4.0         | Amps  |
| Typical Junction Capacitance between Terminal (Note 1) | CJ     | 2.0         | pF    |
| Maximum Operating Temperature Range                    | TJ     | +150        | °C    |
| Storage Temperature Range                              | TSTG   | -55 to +150 | °C    |

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

| CHARACTERISTICS                                    | SYMBOL | CHN217GP | UNITS |
|--|--------|----------|-------|
| Maximum Instantaneous Forward Voltage at IF= 100mA | VF     | 1.20     | Volts |
| Maximum Average Reverse Current at VR= 70V         | IR     | 0.2      | uAmps |

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 6.0 volts.  
2. ESD sensitive product handling required.

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## RATING CHARACTERISTIC CURVES ( CHN217GP )

FIG. 1 FORWARD CHARACTERISTICS

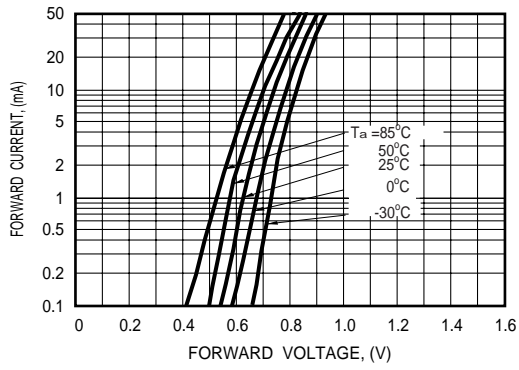


FIG. 2 REVERSE CHARACTERISTICS

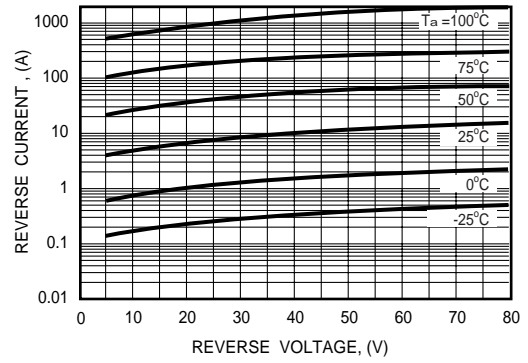


FIG. 3 TYPIC JUNCTION CAPACITANCE

