



CHENMKO ENTERPRISE CO.,LTD

Lead free devices

SURFACE MOUNT SWITCHING DIODE

VOLTAGE 80 Volts CURRENT 0.1 Ampere

CHN217PT

APPLICATION

* Ultra high speed switching

FEATURE

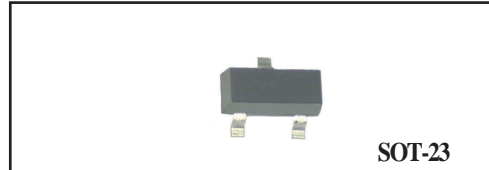
- * Small surface mounting type. (SOT-23)
- * Two diode elements are connected in series (VFX2) per circuit.
- * Maximum total power dissipation is 200mW.
- * Peak forward current is 300mA.

CONSTRUCTION

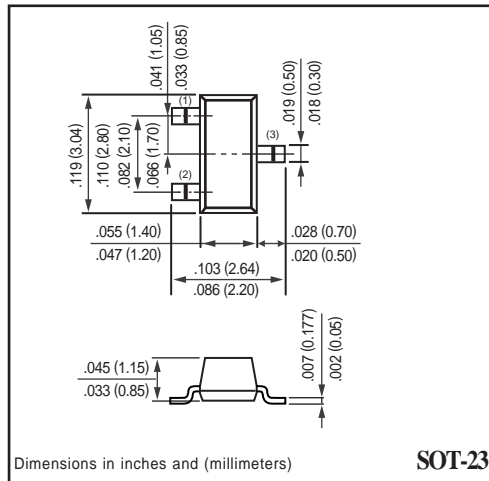
* Silicon epitaxial planar

MARKING

* A7



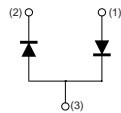
SOT-23



Dimensions in inches and (millimeters)

SOT-23

CIRCUIT



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

RATINGS	SYMBOL	CHN217PT	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	$^\circ\text{C}$
Storage Temperature Range	TSTG	-55 to +150	$^\circ\text{C}$

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

CHARACTERISTICS	SYMBOL	CHN217PT	UNITS
Maximum Instantaneous Forward Voltage at $I_F = 100\text{mA}$	V _F	1.20	Volts
Maximum Average Reverse Current at $V_R = 70\text{V}$	I _R	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 (CHN217PT)

FIG. 1 FORWARD CHARACTERISTICS

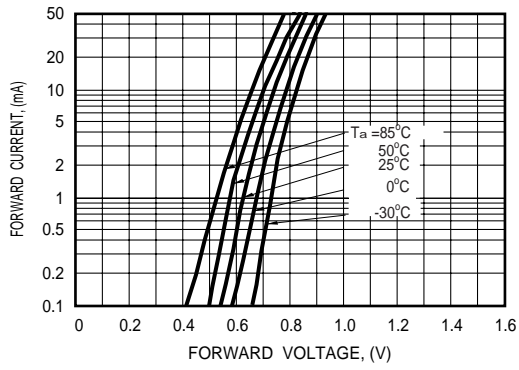


FIG. 2 REVERSE CHARACTERISTICS

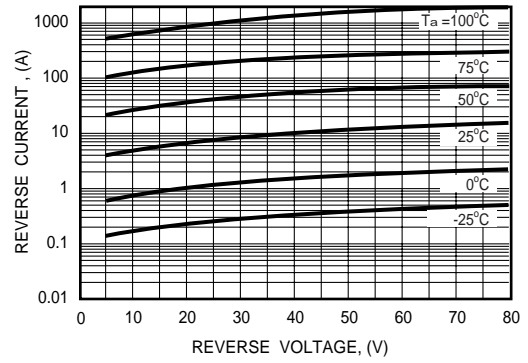


FIG. 3 TYPIC JUNCTION CAPACITANCE

