



CHENMKO ENTERPRISE CO.,LTD

CHN217PT

Lead free devices

SURFACE MOUNT
SWITCHING DIODE

VOLTAGE 80 Volts CURRENT 0.1 Ampere

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

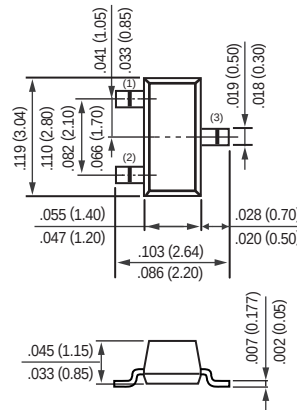
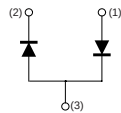
MARKING

- * A7



SOT-23

CIRCUIT



Dimensions in inches and (millimeters)

SOT-23

MAXIMUM RATINGS (At TA = 25°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	°C
Storage Temperature Range	TSTG	-55 to +150	°C

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

CHARACTERISTICS	SYMBOL	CHN217PT	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 (CHN217PT)

FIG. 1 FORWARD CHARACTERISTICS

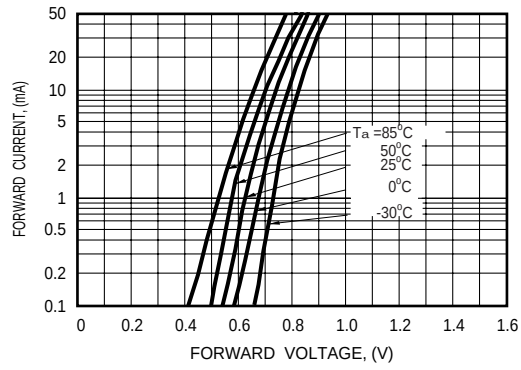


FIG. 2 REVERSE CHARACTERISTICS

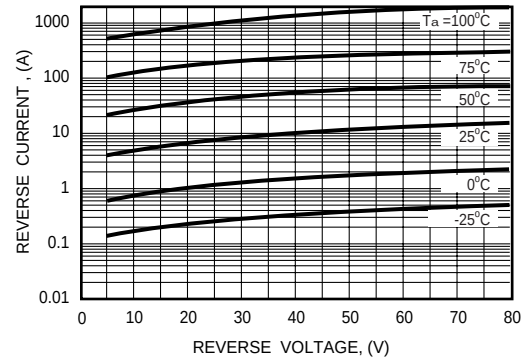


FIG. 3 TYPIC JUNCTION CAPACITANCE

