



CHENMKO ENTERPRISE CO.,LTD

**SURFACE MOUNT
SWITCHING DIODE**

VOLTAGE 80 Volts CURRENT 0.1 Ampere

CHN217UPT

Lead free devices

APPLICATION

- * Ultra high speed switching

FEATURE

- * Small surface mounting type. (SC-70/SOT-323)
- * Two diode elements are connected in series (VFX2) per circuit.
- * Maximum total power dissipation is 200mW.
- * Peak forward current is 300mA.

CONSTRUCTION

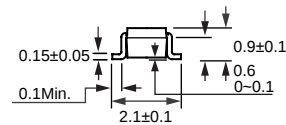
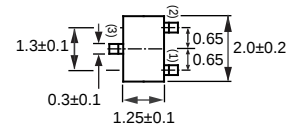
- * Silicon epitaxial planar

MARKING

- * A7



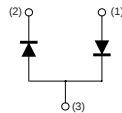
SC-70/SOT-323



Dimensions in millimeters

SC-70/SOT-323

CIRCUIT



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

RATINGS	SYMBOL	CHN217UPT	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	80	Volts
Maximum RMS Voltage	V_{RMS}	56	Volts
Maximum DC Blocking Voltage	V_{DC}	80	Volts
Maximum Average Forward Rectified Current	I_O	0.1	Amps
Peak Forward Surge Current at 1uSec.	I_{FSM}	4.0	Amps
Typical Junction Capacitance between Terminal (Note 1)	C_J	2.0	pF
Maximum Operating Temperature Range	T_J	+150	$^{\circ}\text{C}$
Storage Temperature Range	T_{STG}	-55 to +150	$^{\circ}\text{C}$

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

CHARACTERISTICS	SYMBOL	CHN217UPT	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	μAmps

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

2002-5

RATING CHARACTERISTIC CURVES (CHN217UPT)

FIG. 1 - FORWARD CHARACTERISTICS

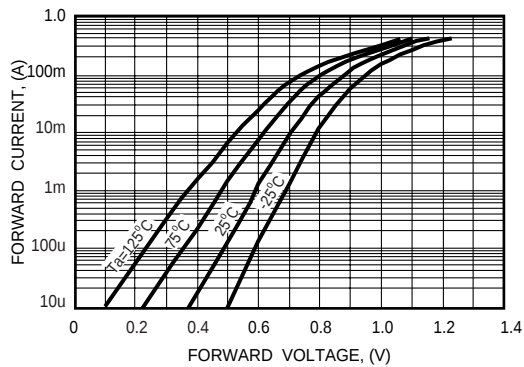


FIG. 2 - REVERSE CHARACTERISTICS

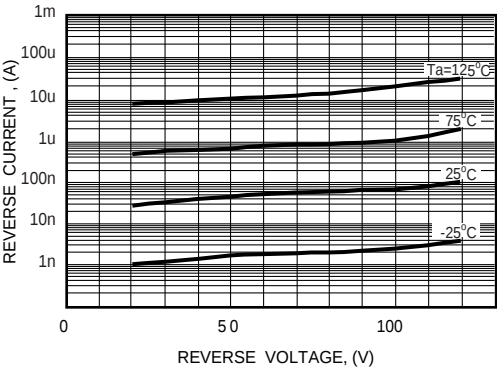


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

