



**CHENMKO ENTERPRISE CO.,LTD**

**CH228N1PT**

*Lead free devices*

**SURFACE MOUNT  
SWITCHING DIODE**

**VOLTAGE 80 Volts CURRENT 0.1 Ampere**

**APPLICATION**

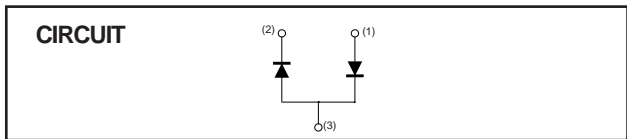
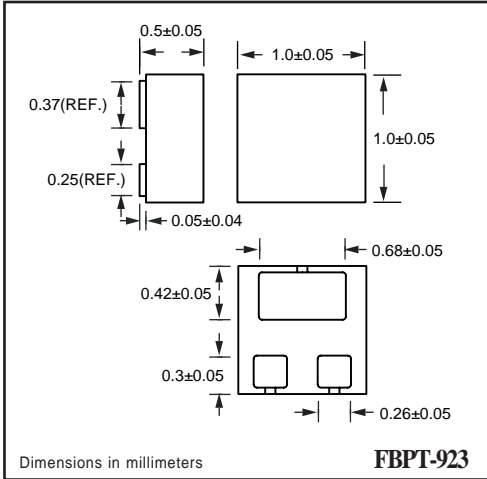
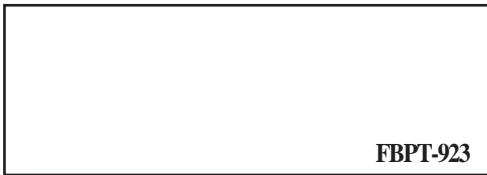
- \* Bias circuit.
- \* Protection circuits.

**FEATURE**

- \* Small surface mounting type. (FBPT-923)
- \* Two diode elements are connected in series (VFX2) per circuit.
- \* Peak forward current is 200mA.

**CONSTRUCTION**

- \* Silicon epitaxial planar



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

RATINGS	SYMBOL	CH228N1PT	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	0.3	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	CH228N1PT	UNITS
Maximum Instantaneous Forward Voltage at IF= 100mA	VF	1.20	Volts
Maximum Average Reverse Current at VR= 80V	IR	0.1	uAmps

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

## RATING CHARACTERISTIC CURVES ( CH228N1PT )

FIG. 1 - FORWARD CHARACTERISTICS

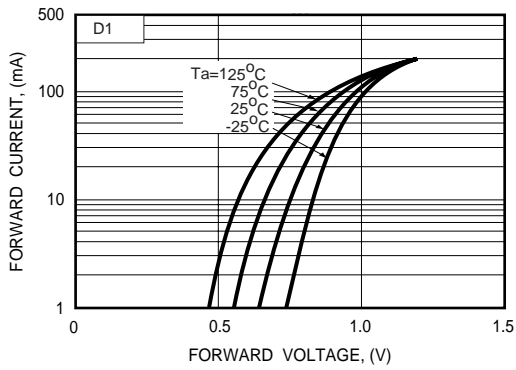


FIG. 2 - FORWARD CHARACTERISTICS

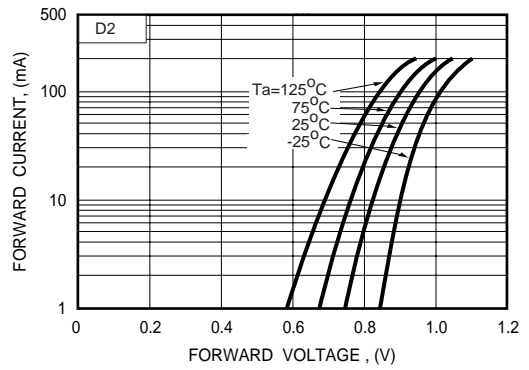


FIG. 3 - REVERSE CHARACTERISTICS

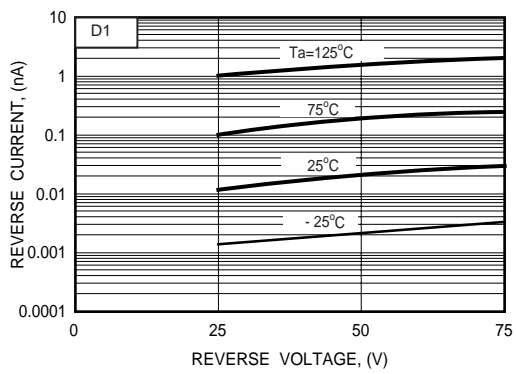


FIG. 4 - REVERSE CHARACTERISTICS

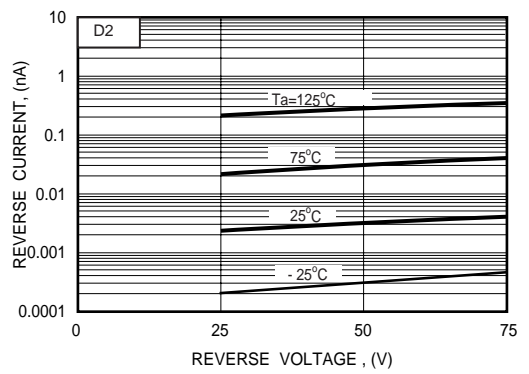


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

