CHENMKO ENTERPRISE CO.,LTD

CH228KPT

SURFACE MOUNT
SWITCHING DIODE
VOLTAGE 80 Volts CURRENT 0.1 Ampere

Lead free devices

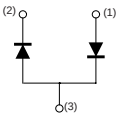
APPLICATION
* Bias circuit.
* Protection circuits.

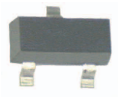
FEATURE
* Small surface mounting type. (SOT-23)
* Two diode elements are connected in series (VFX2) per circuit.
* Maximum total power disspation is 200mW.
* Peak forward current is 200mA.

CONSTRUCTION
* Silicon epitaxial planar

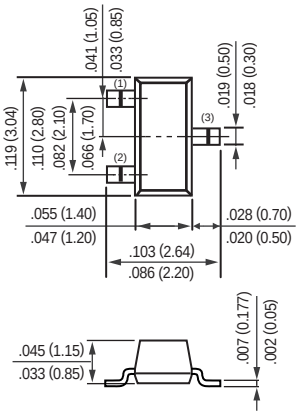
MARKING
* JE

CIRCUIT





SOT-23



Dimensions in inches and (millimeters)

SOT-23

MAXIMUM RATINGES (At T_A = 25°C unless otherwise noted)

RATINGS	SYMBOL	CH228KPT	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 1 uSec	I_{FSM}	0.3	Amps
Typical Junction Capacitance between Terminal (Note 1)	C_J	2.0	pF
Maximum Operating Temperature Range	T_J	+150	°C
Storage Temperature Range	T_{STG}	-55 to +150	°C

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

CHARACTERISTICS	SYMBOL	CH228KPT	UNITS
Maximum Instantaneous Forward Voltage at I_F= 100mA	V_F	1.20	Volts
Maximum Average Reverse Current at V_R= 80V	I_R	0.1	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 (CH228KPT)

FIG. 1 - FORWARD CHARACTERISTICS

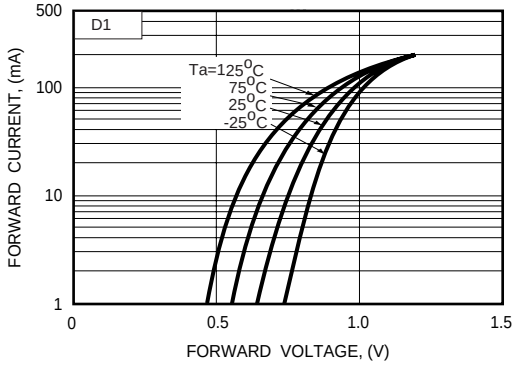


FIG. 2 - FORWARD CHARACTERISTICS

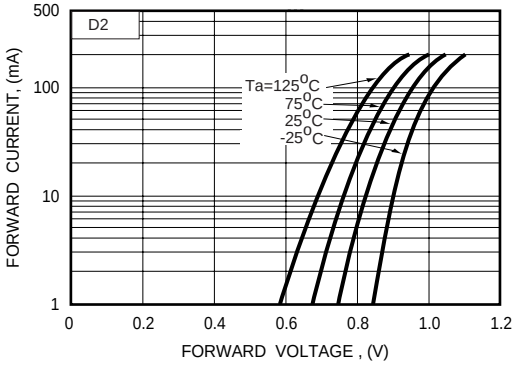


FIG. 3 - REVERSE CHARACTERISTICS

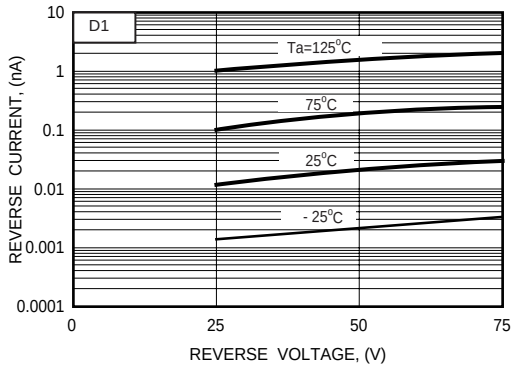


FIG. 4 - REVERSE CHARACTERISTICS

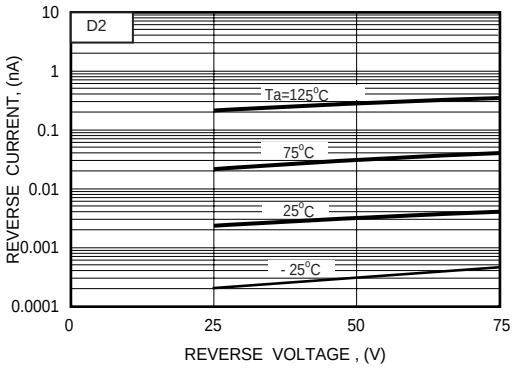


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

