CHENMKO ENTERPRISE CO.,LTD

CH601H-70APT

Lead free devices

SURFACE MOUNT
SCHOTTKY BARRIER DIODE
VOLTAGE 70 Volts CURRENT 0.1 Ampere

APPLICATION
* Low power rectification

FEATURE
* Small surface mounting type. (SC-76/SOD-323)
* Low VF. (VF=0.72V Typ. at 10mA)
* High reliability

CONSTRUCTION
* Silicon epitaxial planar

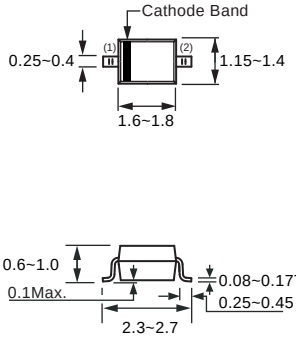
MARKING
* 5B

CIRCUIT





SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

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

RATINGS	SYMBOL	CH601H-70APT	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	70	Volts
Maximum RMS Voltage	V_{RMS}	49	Volts
Maximum DC Blocking Voltage	V_{DC}	70	Volts
Maximum Average Forward Rectified Current	I_O	0.1	Amps
Peak Forward Surge Current at 10 mSec single half sine-wave	I_{FSM}	1.0	Amps
Typical Junction Capacitance between Terminal (Note 1)	C_J	6.0	pF
Maximum Operating Temperature Range	T_J	-40 to +125	°C
Storage Temperature Range	T_{STG}	-55 to +125	°C

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

CHARACTERISTICS		SYMBOL	CH601H-70APT	UNITS
Maximum Instantaneous Forward Voltage	@ I_F= 1mA	V_F	0.65	Volts
	@ I_F= 10mA		0.77	
Maximum Average Reverse Current at V_R= 70V		I_R	5	uAmps

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 10.0 volts.
2. ESD sensitive product handling required.

2003-6

RATING CHARACTERISTIC CURVES (CH601H-70APT)

FIG. 1 - FORWARD CHARACTERISTICS

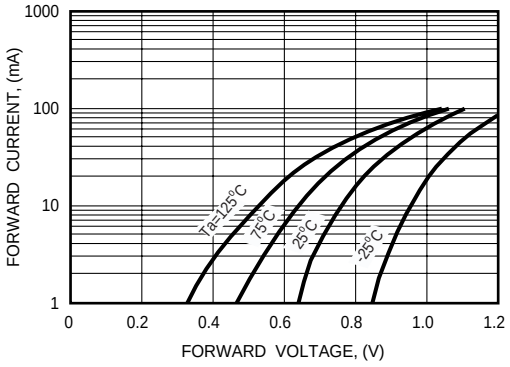


FIG. 2 - REVERSE CHARACTERISTICS

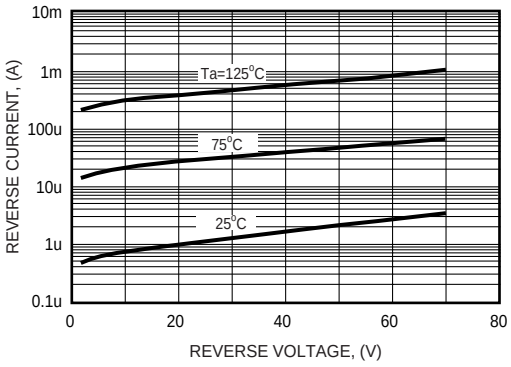


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

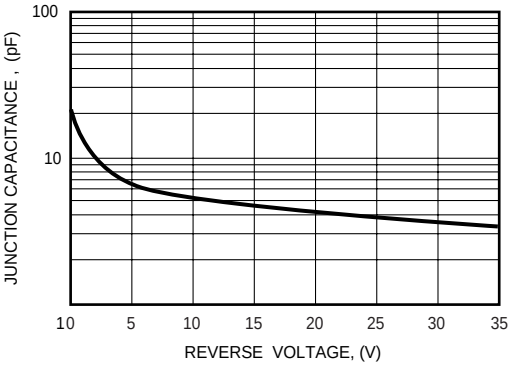


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE

