CHENMKO ENTERPRISE CO.,LTD

CH751H-40PT

SURFACE MOUNT
SCHOTTKY BARRIER DIODE
VOLTAGE 40 Volts CURRENT 0.03 Ampere

Lead free devices

APPLICATION
* High speed switching for detection

FEATURE
* Small surface mounting type. (SC-76/SOD-323)
* Low VF and low IR
* High reliability

CONSTRUCTION
* Silicon epitaxial planar

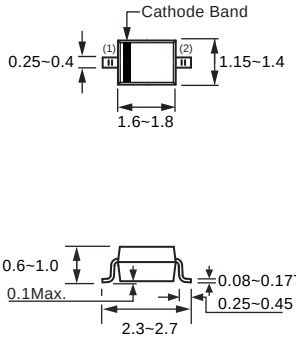
MARKING
* JV

CIRCUIT





SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

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

RATINGS	SYMBOL	CH751H-40PT	UNITS
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	40	Volts
Maximum RMS Voltage	V_{RMS}	28	Volts
Maximum DC Blocking Voltage	V_{DC}	40	Volts
Maximum Average Forward Rectified Current	I_O	0.03	Amps
Peak Forward Surge Current at 8.3 mSec single half sine-wave	I_{FSM}	0.2	Amps
Typical Junction Capacitance between Terminal (Note 1)	C_J	2.0	pF
Maximum Operating Temperature Range	T_J	+125	°C
Storage Temperature Range	T_{STG}	-40 to +125	°C

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

CHARACTERISTICS	SYMBOL	CH751H-40PT	UNITS
Maximum Instantaneous Forward Voltage at I_F= 1mA	V_F	0.37	Volts
Maximum Average Reverse Current at V_R= 30V	I_R	0.5	uAmps

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

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RATING CHARACTERISTIC CURVES (CH751H-40PT)

FIG. 1 - FORWARD CHARACTERISTICS

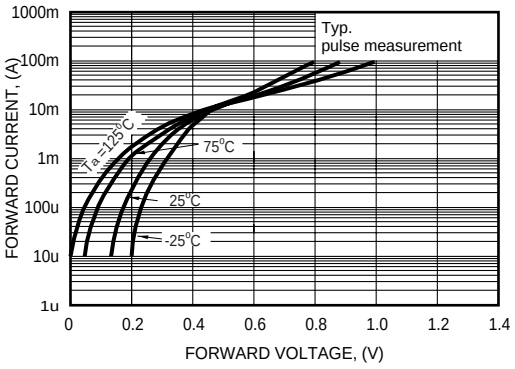


FIG. 2 - REVERSE CHARACTERISTICS

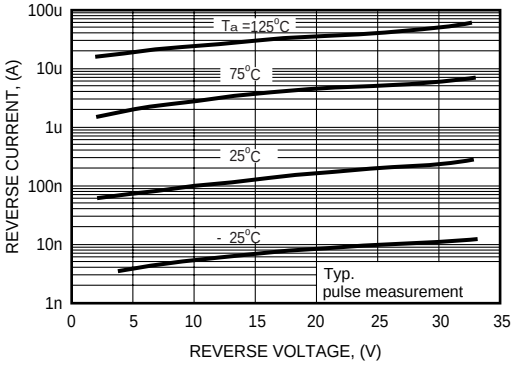


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

