



CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER

VOLTAGE RANGE 20 - 40 Volts CURRENT 350 mAmperes

Lead free devices

CH035H-20PT

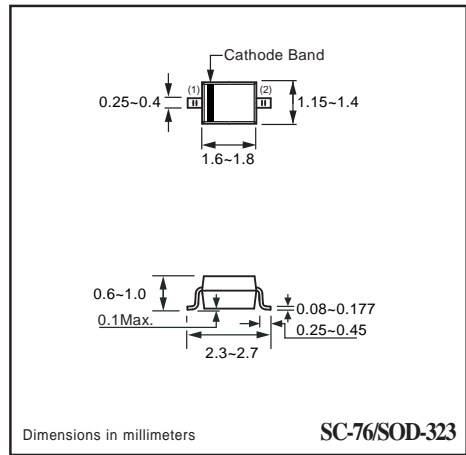
THRU

CH035H-40PT

APPLICATION
* Ultra high speed switching

FEATURE
* Small surface mounting type. (SC-76/SOD-323)
* High speed. (TRR=10nSec Typ.)
* Maximum total power dissipation is 200mW.

CONSTRUCTION
* Silicon epitaxial planar



CIRCUIT

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

RATINGS	SYMBOL	CH035H-20PT	CH035H-30PT	CH035H-40PT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	Volts
Maximum RMS Voltage	VRMS	14	21	28	Volts
Maximum DC Blocking Voltage	VDC	20	30	40	Volts
Forward Continuous Current	IFM	350			mAmperes
Peak Forward Surge Current 1.0 S single half sine-wave superimposed on rated load (JEDEC method)	IFSM	1.5			Amps
Typical Thermal Resistance (Note 1)	RθJA	625			°C / W
Total Capacitance (Note 2)	CT	28			pF
Reverse Recovery Time at IF=IR=200mA , Irr=20mA	Trr	10			nS
Operating Temperature Range	TJ	-55 to +125			°C
Storage Temperature Range	TSTG	-55 to +125			°C

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

CHARACTERISTICS	SYMBOL	CH035H-20PT	CH035H-30PT	CH035H-40PT	UNITS
Maximum Instantaneous Forward Voltage	@ IF = 20mA	370			mVolts
	@ IF = 200mA	600			mVolts
Maximum Average Reverse Current at Rated DC Blocking Voltage	IR	5.0			uAmperes

NOTES : 1. Thermal Resistance (Junction to Lead) : PC Board Mounted on 0.2 X 0.2" (5 X 5mm) copper pad area.
2. Measured at 1.0 MHz and applied reverse voltage of 0 volts.

2004-06

RATING CHARACTERISTIC CURVES (CH035H-20PT THRU CH035H-40PT)

FIG. 1 - TYPICAL POWER DERATING CURVE

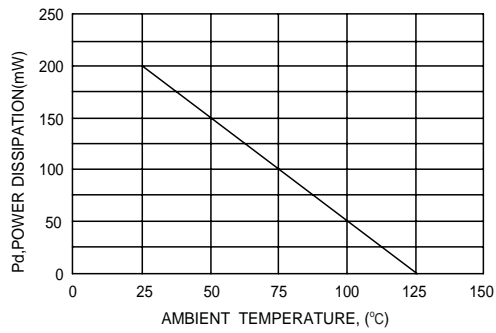


FIG. 2 - FORWARD CHARACTERISTICS

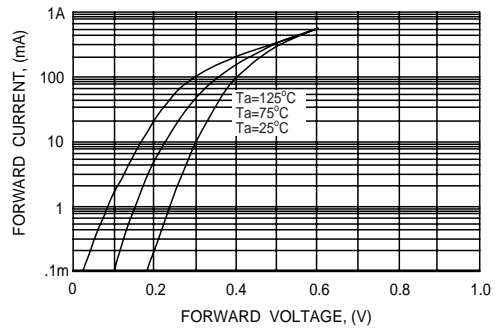


FIG. 3 - REVERSE CHARACTERISTICS

