



CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

SCHOTTKY BARRIER DIODE

VOLTAGE 60 Volts CURRENT 1 Ampere

CH651H-60GP

Halogens free devices

APPLICATION

* For low-loss, fast-recovery, meter protection, bias isolation and clamping applications

FEATURE

* Small surface mounting type. (SC-76/SOD-323)
* Low IR. (IR=100uA Max.)
* Medium current Schottky rectifier diode

CONSTRUCTION

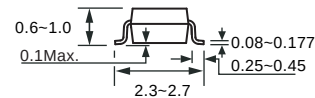
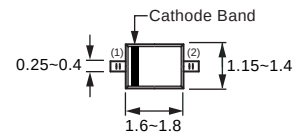
* Silicon epitaxial planar

MARKING

*JW



SC-76/SOD-323



Dimensions in millimeters

SC-76/SOD-323

CIRCUIT



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

RATINGS	SYMBOL	CH651H-60GP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	60	Volts
Maximum RMS Voltage	VRMS	42	Volts
Maximum DC Blocking Voltage	VDC	60	Volts
Maximum Average Forward Rectified Current	IO	1.0	Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	20	Amps
Typical Junction Capacitance (Note 2)	CJ	110	pF
Typical Thermal Resistance (Note 1)	R θJL	25	°C / W
Operating and Storage Temperature Range	TJ,TSTG	-65 to +125	°C

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

CHARACTERISTICS		CH651H-60GP	UNITS
Maximum Instantaneous Forward Voltage at IF=0.7A	VF	0.58	Volts
Maximum Average Reverse Current at VR=60V	@ TA = 25°C	0.1	mAmps
	@ TA = 100°C	30	mAmps

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 4.0 volts.

2004-10