



# CHENMKO ENTERPRISE CO.,LTD

**CH701UPT**

Lead free devices

## SURFACE MOUNT

### SCHOTTKY BARRIER DIODE

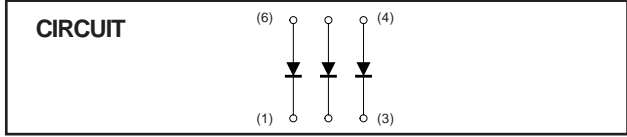
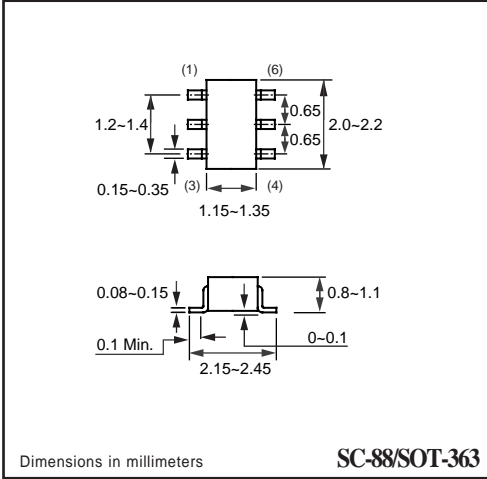
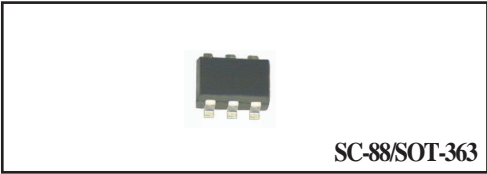
VOLTAGE 40 Volts CURRENT 200 mAmpere

**APPLICATION**  
\* High speed switching

**FEATURE**  
\* Small surface mounting type. (SC-88/SOT-363)  
\* Low VF and low IR  
\* Three diodes in parallel installation

**CONSTRUCTION**  
\* Silicon epitaxial planar

**MARKING**  
\* JG



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

RATINGS	SYMBOL	CH701UPT	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	40	Volts
Maximum RMS Voltage	VRMS	28	Volts
Maximum DC Blocking Voltage	VDC	40	Volts
Maximum Average Forward Rectified Current	IO	200	mAmps
Peak Forward Surge Current at 1Sec.	IFSM	0.6	Amps
Typical Junction Capacitance between Terminal (Note 1)	CJ	2.0	pF
Maximum Reverse Recovery Time (Note 2)	TRR	5.0	nSec
Maximum Operating Temperature Range	TJ	-40 to +125	°C
Storage Temperature Range	TSTG	-40 to +150	°C

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

CHARACTERISTICS	SYMBOL	CH701UPT	UNITS
Maximum Instantaneous Forward Voltage	@IF= 1.0mA	320	mVolts
	@IF= 100mA	1000	
Maximum Average Reverse Current at VR= 10V	IR	1.0	uAmps

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

## RATING CHARACTERISTIC CURVES ( CH701UPT )

FIG. 1 - FORWARD CHARACTERISTICS

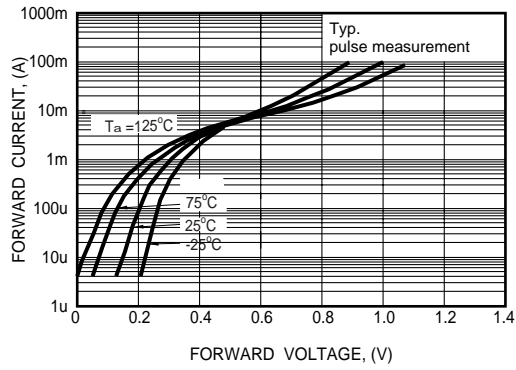


FIG. 2 - REVERSE CHARACTERISTICS

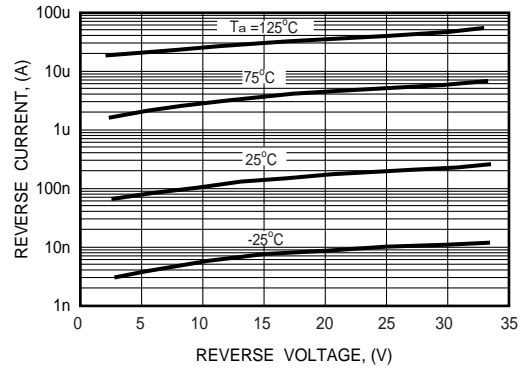


FIG. 3 - TYPICAL JUNCTION CAPACITANCE

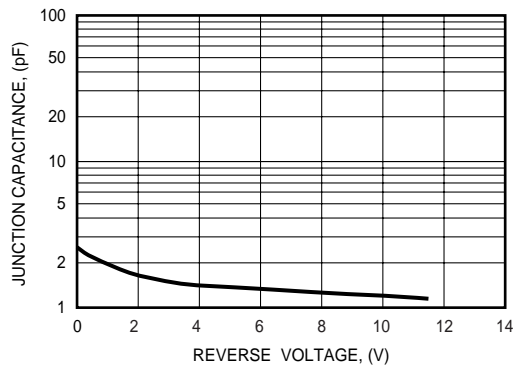


FIG. 4 - TYPICAL FORWARD CURRENT DERATING CURVE

