

CHENMKO ENTERPRISE CO.,LTD

SURFACE MOUNT

SCHOTTKY BARRIER RECTIFIER VOLTAGE 40 Volts CURRENT 350 mAmpere CH340RDWPT

APPLICATION

* Ultra high speed switching

FEATURE

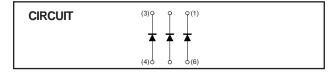
- * Small surface mounting type. (SC-88/SOT-363)
- * High speed. (TRR=10nSec Typ.)
- * Suitable for high packing density.
- * Maximum total power disspation is 200mW.

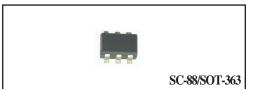
CONSTRUCTION

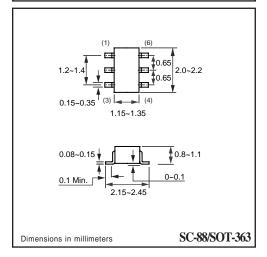
* Silicon epitaxial planar

MARKING

* RD1







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

RATINGS	SYMBOL	CH340RDWPT	UNITS
Maximum Non-Repetitive Peak Reverse Voltage	VRM	40	Volts
Maximum RMS Voltage	VRMS	28	Volts
Maximum Repetitive Peak Reverse and DC Blocking Voltage	VRRM, VDC	40	Volts
Forward Continuous Current	IFМ	350	mAmps
Non-Repetitive Peak Forward Surge Current at 10mSec	IFSM	1.0	Amps
Typical Junction Capacitance between Terminal (Note 1)	Ci	50	pF
Maximum Reverse Recovery Time (Note 2)	Trr	10	nSec
Thermal Resistance Junction to Ambient (Note 3)	$R\theta$ JA	500	°C/W
Maximum Operating and Storage Temperature Range	TJ,TSTG	-65 to +125	°C

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

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	CHARACTERISTICS		SYMBOL	CH340RDWPT	UNITS		
	Maximum Instantaneous Forward Voltage	@ IF=20mA @ IF=100mA	VF	370 500	mVolts		
	Maximum Average Reverse Current	@VR=10V @VR=30V	IR	2.0 5.0	uAmps		

NOTES: 1. Measured at 1.0 MHz and applied reverse voltage of 0 volts.

- 2. Measured at applied froward current of 200mA and reverse current of 200mA.

 3. Device mounted on FR-4 by 1 inch X 0.85 inch X 0.062 inch
- 4. ESD sensitive product handling required.

2004-06

