



CHENMKO ENTERPRISE CO.,LTD

Halogens free devices

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

VOLTAGE RANGE 50 - 1000 Volts CURRENT 2.0 Amperes

**RC201GP
THRU
RC207GP**

FEATURES

- * High reverse voltage to 1000V
- * Surge overload rating - 60 Amperes peak
- * Good for printed circuit board assembly
- * Silver-plated copper leads

MECHANICAL DATA

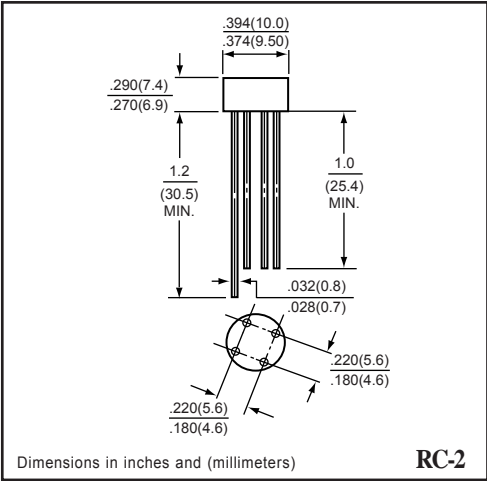
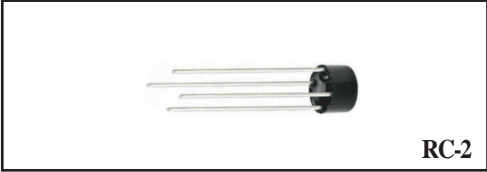
Case: JEDEC RC-2 molded plastic

Terminals: Plated leads solderable per MIL-STD-750, Method 2026

Mounting position: Any

Polarity: Polarity symbols marked on body

Weight: 1.88 grams



MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.
Single phase, half wave, 60 Hz, resistive or inductive load.
For capacitive load, derate current by 20%.

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

RATINGS	SYMBOL	RC201GP	RC202GP	RC203GP	RC204GP	RC205GP	RC206GP	RC207GP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at TA = 25°C	Io	2.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	60							Amps
Operating Temperature Range	TJ	-55 to +125							°C
Storage Temperature Range	TSTG	-55 to +150							°C

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

CHARACTERISTICS	SYMBOL	RC201GP	RC202GP	RC203GP	RC204GP	RC205GP	RC206GP	RC207GP	UNITS
Maximum Instantaneous Forward Voltage at 2.0 A DC	VF	1.1							Volts
Maximum Reverse Current at rated	IR	10							uAmps
DC blocking Voltage per element									0.2

RATING CHARACTERISTIC CURVES (RC201GP THRU RC207GP)

FIG. 1 - TYPICAL FORWARD CURRENT DERATING CURVE

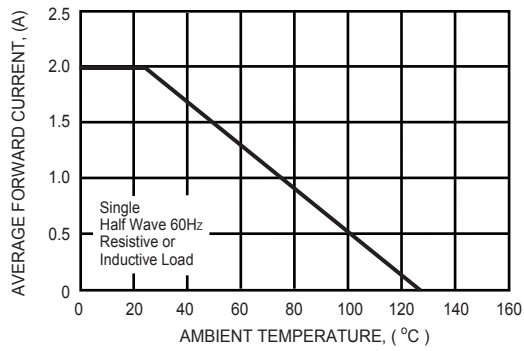


FIG. 2 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

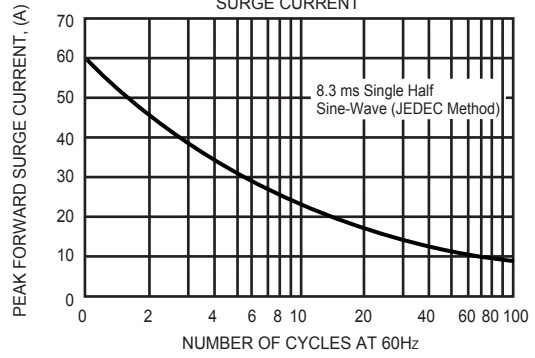


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

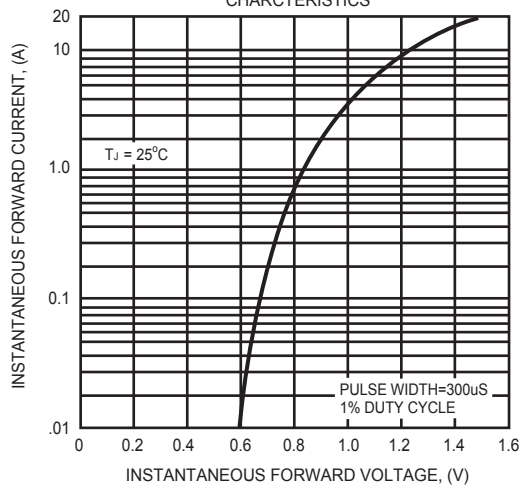


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

