



CHENMKO ENTERPRISE CO.,LTD

**SS320GP
THRU
SS360GP**

Halogens free devices

SCHOTTKY BARRIER RECTIFIER

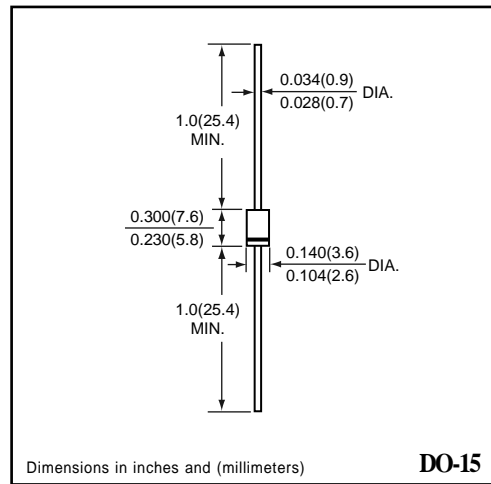
VOLTAGE RANGE 20 - 60 Volts CURRENT 3.0 Amperes

FEATURES

- * Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- * Low switching noise
- * Low forward voltage drop
- * High current capability
- * High switching capability
- * High reliability
- * High surge capability
- * High temperature soldering guaranteed : 260°C/10 seconds at terminals

MECHANICAL DATA

Case: JEDEC DO-15 molded plastic
Terminals: Plated axial leads, solderable per MIL-STD-750, Method 2026
Polarity: Indicated by cathode band
Weight: 0.35 gram



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	SS320GP	SS330GP	SS340GP	SS350GP	SS360GP	UNITS
Maximum Recurrent Peak Reverse Voltage	VRRM	20	30	40	50	60	Volts
Maximum RMS Voltage	VRMS	14	21	28	35	42	Volts
Maximum DC Blocking Voltage	Vdc	20	30	40	50	60	Volts
Maximum Average Forward Rectified Current 0.375" (9.5mm) lead length (SEE FIG.1)	Io	3.0					Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	IFSM	80					Amps
Typical Junction Capacitance (Note 1)	CJ	200					pF
Typical Thermal Resistance (Note 2)	R θJA	30					°C / W
Operating Temperature Range	TJ	-65 to +125			-65 to +150		°C
Storage Temperature Range	TSTG	-65 to +150					°C

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

CHARACTERISTICS	SYMBOL	SS320GP	SS330GP	SS340GP	SS350GP	SS360GP	UNITS
Maximum Instantaneous Forward Voltage at 3.0 A DC	VF	0.55			0.75		Volts
Maximum Average Reverse Current	IR	3.0					mAmps
at Rated DC Blocking Voltage		30					mAmps

NOTES : 1. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts

2008-01

RATING CHARACTERISTIC CURVES (SS320GP THRU SS360GP)

FIG. 1 - TYPICAL FORWARD CURRENT DERATING CURVE

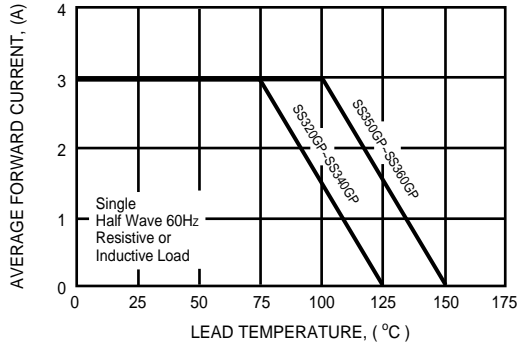


FIG. 2 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

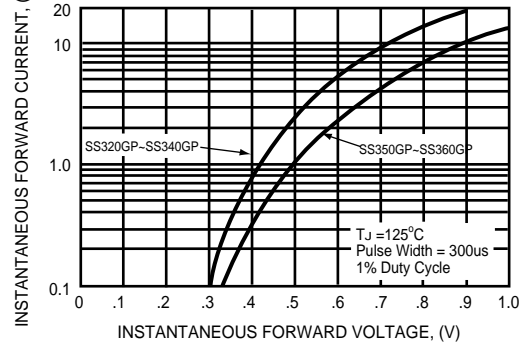


FIG. 3 - TYPICAL REVERSE CHARACTERISTICS

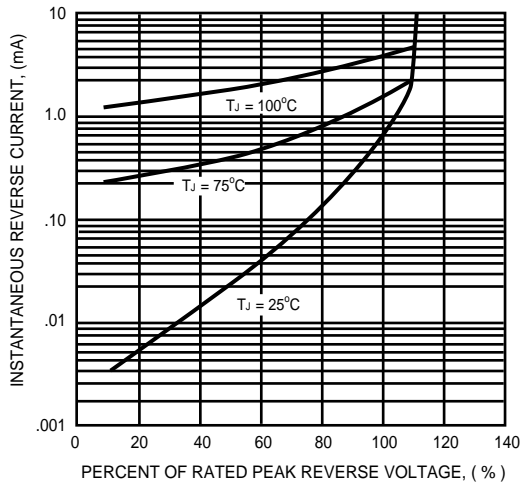


FIG. 4 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

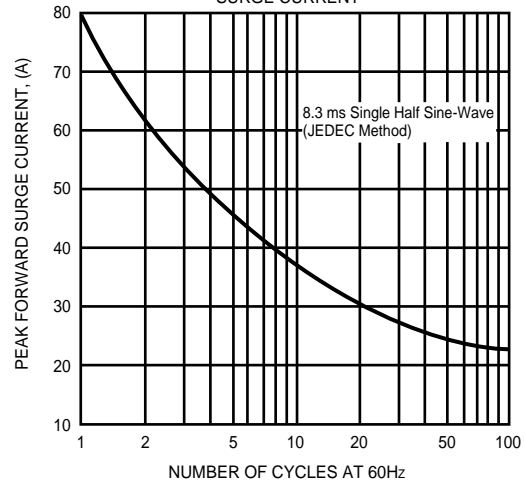


FIG. 5 - TYPICAL JUNCTION CAPACITANCE

