



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

	<p>RECTIFIER SPECIALISTS</p>	<p>1N5391G THRU 1N5399G</p>
---	------------------------------	-------------------------------------

TECHNICAL SPECIFICATIONS OF GLASS PASSIVATED RECTIFIER

VOLTAGE RANGE - 50 to 1000 Volts

CURRENT - 1.5 Amperes

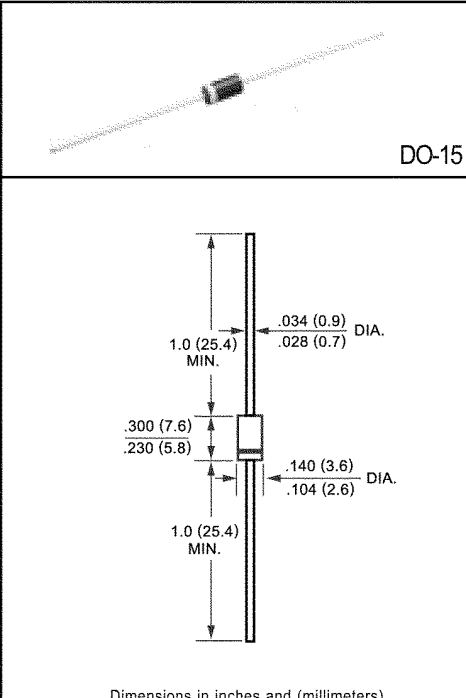
FEATURES

- * Low cost
- * Low leakage
- * Low forward voltage drop
- * High current capability

MECHANICAL DATA

- * Case: Molded plastic
- * Epoxy: UL 94V-0 rate flame retardant
- * Lead: MIL-STD-202E, Method 208 guaranteed
- * Polarity: Color band denotes cathode end
- * Mounting position: Any
- * Weight: 0.38 gram

DO-15



Dimensions in inches and (millimeters)

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%.

	SYMBOL	1N5391G	1N5392G	1N5393G	1N5395G	1N5397G	1N5398G	1N5399G	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 = 75°C	Io	1.5							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	50							Amps
Maximum Instantaneous Forward Voltage at 1.5A DC	VF	1.4							Volts
Maximum DC Reverse Current at Rated DC Blocking Voltage	Ir	@TA = 25°C							uAmps
		@TA = 100°C							
Maximum Full Load Reverse Current Average, Full Cycle .375"(9.5mm) lead length at TL = 75°C		30							uAmps
Typical Junction Capacitance (Note)	Cj	20							pF
Typical Thermal Resistance	RθJA	50							°C/W
Operating and Storage Temperature Range	TJ, TSTG	-65 to + 175							°C

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



FUKUCOM COMPANY LTD.

福 靈 有 限 公 司

FLAT P, 3/F., EVEREST INDUSTRIAL CENTRE, 396 KWUN TONG ROAD,
KWUN TONG, KOWLOON, HONG KONG.

TEL: 852-2790 0314 FAX: 852-2790 0206

RATING AND CHARACTERISTIC CURVES (1N5391G THRU 1N5399G)

