

1N5391G THRU 1N5399G

GLASS PASSIVATED RECTIFIERS

FEATURES:

- High temperature bonded construction
- High surge current capability
- No thermal runaway at 1.5 Amp. Current $T_a=70^\circ\text{C}$
- High temperature soldering guaranteed : $250^\circ\text{C}/10$ seconds, 0.375" lead length, 5lbs.(2.3kg) tension

MECHANICAL DATA

Case : Molded plastic use UL 94V-0 recognized flame retardant epoxy

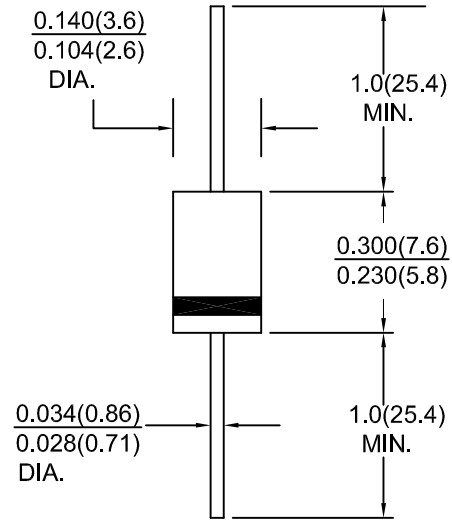
Terminals : Axial leads, solderable per MIL-STD-202, Method 208 guaranteed

Polarity : Color band on body denotes cathode end

Mounting Position : Any

Weight : 0.4 grams, 0.015 ounce

DO-204AC(DO-15)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temp. unless otherwise specified.

Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

Characteristic	Symbol	1N	1N	1N	1N	1N	1N	1N	IN	IN	Units
		5391G	5392G	5393G	5394G	5395G	5396G	5397G	5398G	5399G	
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	300	400	500	600	800	1000	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	210	280	350	420	560	700	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	300	400	500	600	800	1000	Volts
Maximum average forward rectified current at $T_a=70^\circ\text{C}$	$I_{(AV)}$	1.5									Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I_{FSM}	50.0									Amps
Maximum instantaneous forward voltage at 1.5 A	V_F	1.1	1.0								Volts
Maximum DC reverse current at rated DC reverse voltage	I_R	5.0									μA
		100.0									
Typical junction capacitance	C_j	15.0									pF
Operating junction and storage temperature range	T_j, T_{stg}	-65 to +150									$^\circ\text{C}$

RATINGS AND CHARACTERISTIC CURVES 1N5391G THRU 1N5399 G

