

1N5391GS THRU 1N5399GS

GLASS PASSIVATED RECTIFIERS

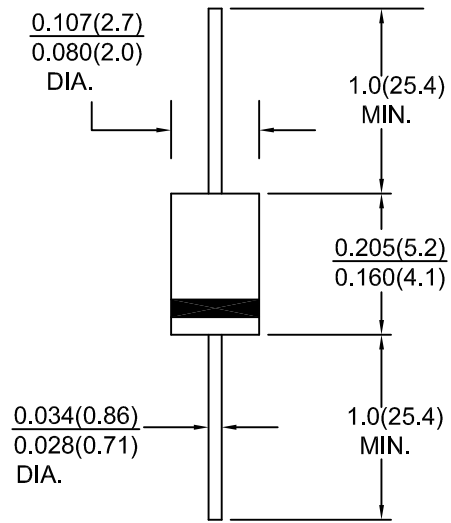
FEATURES:

- 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°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-204AL(DO-41)



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 5391 GS	1N 5392 GS	1N 5393 GS	1N 5394 GS	1N 5395 GS	1N 5396 GS	1N 5397 GS	1N 5398 GS	1N 5399 GS	Units
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 1N5391GS THRU 1N5399 GS

