

1N5400G thru 1N5408G

FEATURES

- * Plastic package has Underwriters Laboratories Flammability Classification 94V-0
- * Construction utilizes void-free molded plastic technique
- * Low reverse leakage
- * High forward surge capability
- * Cavity-free glass passivated junction
- * High temperature soldering guaranteed:
260°C/10 seconds, 0.375" (9.5mm) lead length,
5 lbs. (2.3kg) tension

Mechanical Data

Case: JEDEC DO-201AD, molded plastic over glass body

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

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.04 oz., 1.13 g

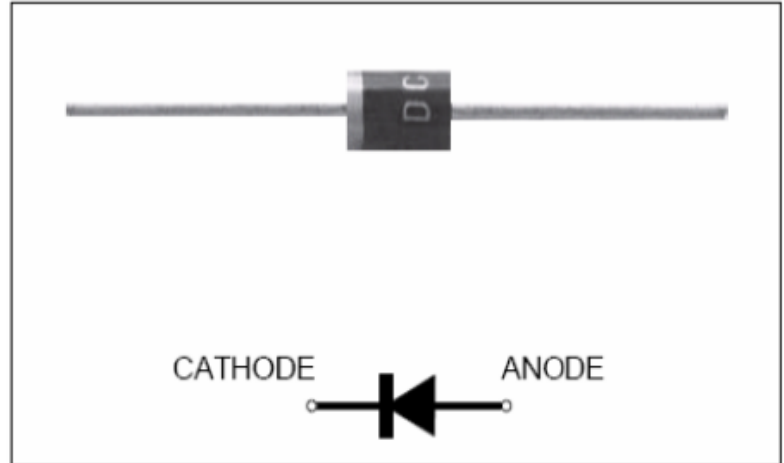
Handling precaution: None

Glass Passivated Junction General

Purpose Plastic Rectifiers

Reverse Voltage 50 to 1000V

Forward Current 3.0A



We declare that the material of product compliance with RoHS requirements.

Maximum Ratings & Thermal Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

Parameter Symbol	symbol	1N5400G	1N5401G	1N5402G	1N5403G	1N5404G	1N5405G	1N5406G	1N5407G	1N5408G	Unit
Maximum repetitive peak reverse voltage	V_{RRM}	50	100	200	300	400	500	600	800	1000	V
Maximum RMS voltage	V_{RMS}	35	70	140	210	280	350	420	560	700	V
Maximum DC blocking voltage	V_{DC}	50	100	200	300	400	500	600	800	1000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at $T_A = 75^\circ\text{C}$	$I_{F(AV)}$	3.0									A
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I_{FSM}	200									A
Maximum full load reverse current, full cycle average, 0.375" (9.5mm) lead lengths at $T_A = 105^\circ\text{C}$	$I_{R(AV)}$	500									μA
Typical thermal resistance (Note 1)	$R\theta_{JA}$	20									$^\circ\text{C}/\text{W}$
Maximum DC blocking voltage temperature	T_A	125									$^\circ\text{C}$
Operating junction and storage temperature range	T_J, T_{STG}	-50 to +150									$^\circ\text{C}$

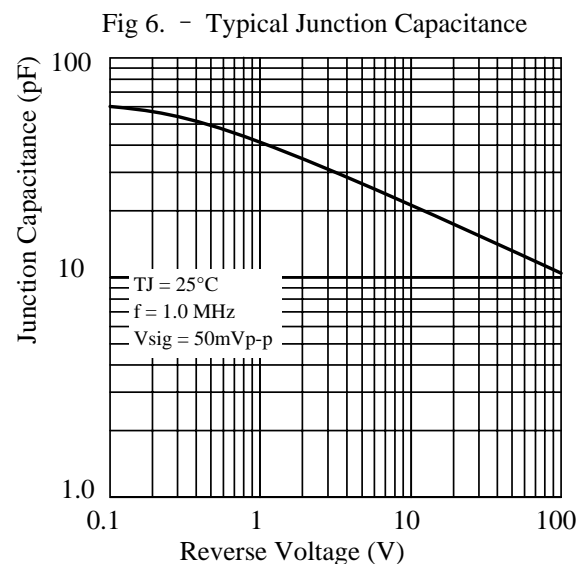
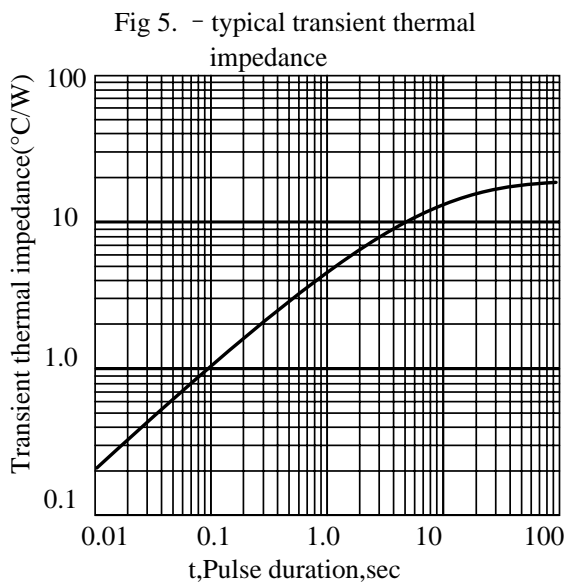
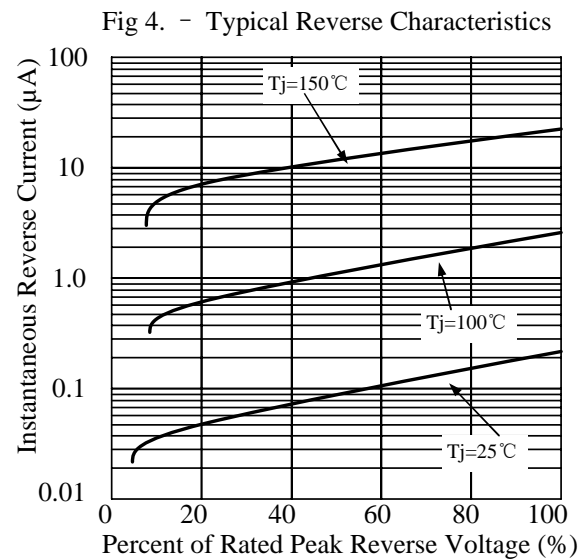
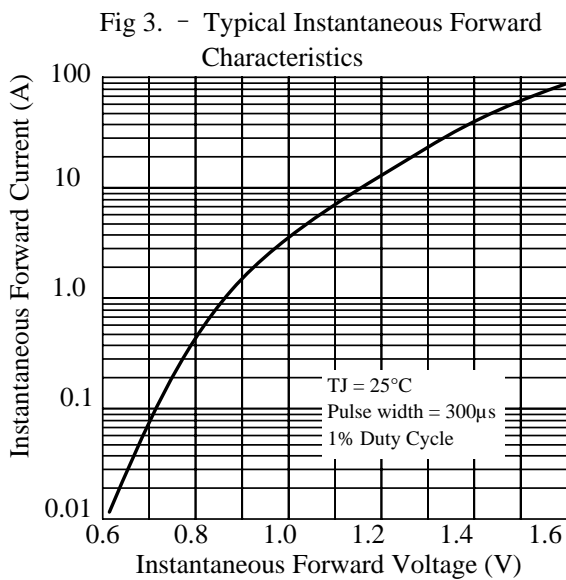
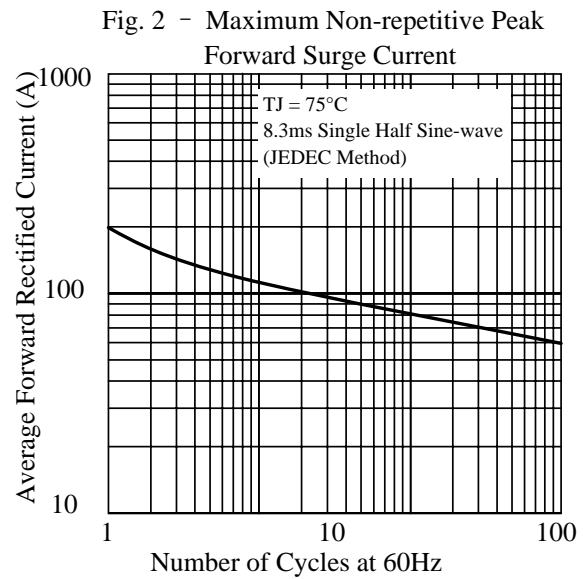
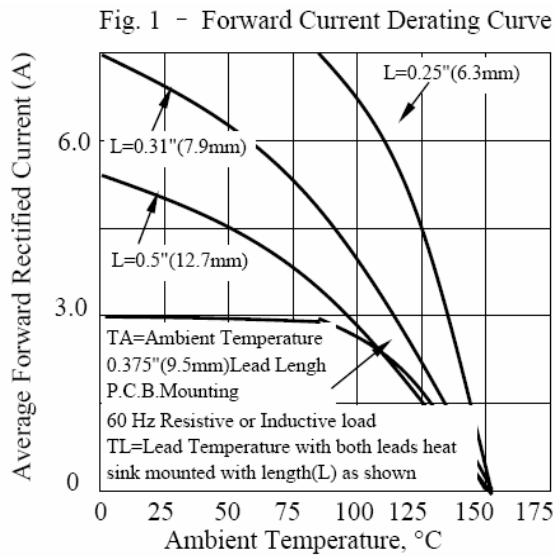
Electrical Characteristics Ratings at 25°C ambient temperature unless otherwise specified.

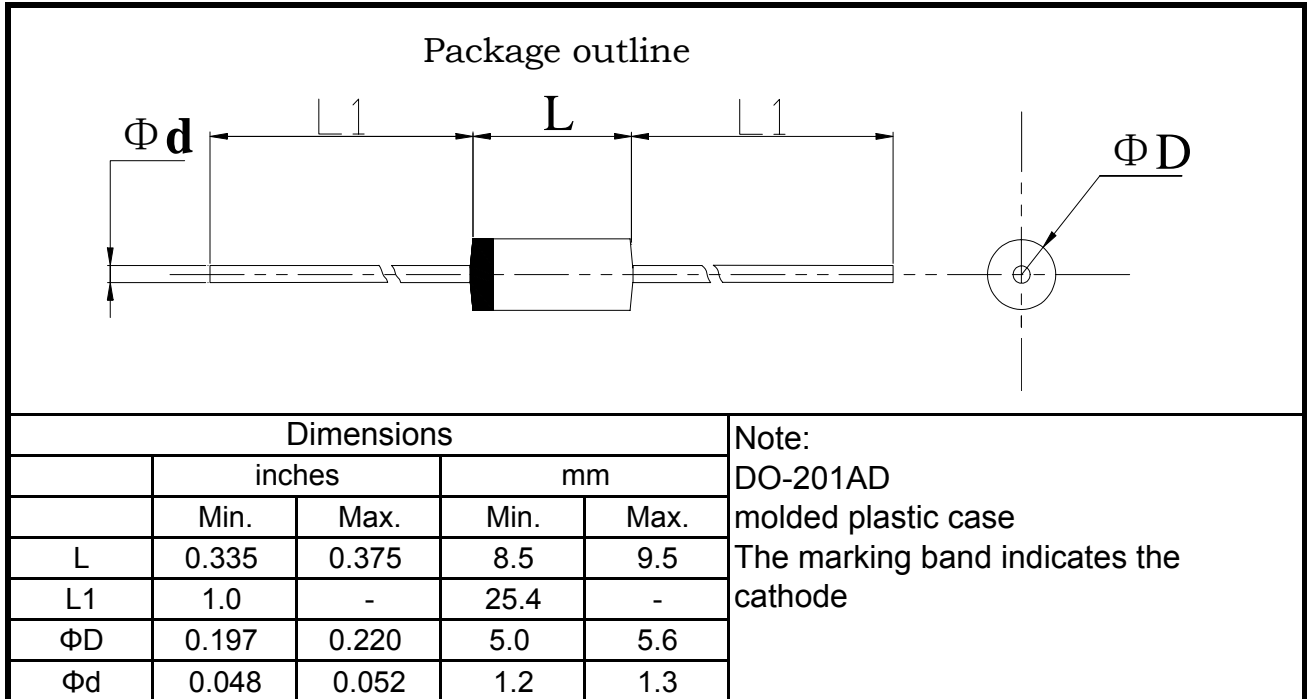
Parameter Symbol	symbol	1N5400G	1N5401G	1N5402G	1N5403G	1N5404G	1N5405G	1N5406G	1N5407G	1N5408G	Unit
Maximum instantaneous forward voltage at 3.0A	V_F	1.10									V
Maximum DC reverse current $T_A = 25^\circ\text{C}$ at rated DC blocking voltage $T_A = 125^\circ\text{C}$	I_R	10									μA
Typical junction capacitance at 4.0V, 1MHz	C_J	30									PF

NOTES:

1. Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

Ratings and Characteristic Curves (TA = 25°C unless otherwise noted)



Package Dimensions in inches and (millimeters)


单击下面可查看定价，库存，交付和生命周期等信息

[>>LRC\(乐山无线电\)](#)