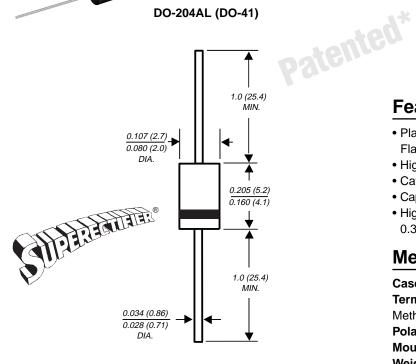


GI250-1 thru GI250-4

High Voltage Glass Passivated Junction Rectifier

Reverse Voltage 1000 to 4000V Forward Current 0.25A





Dimensions in inches and (millimeters)

*Glass-plastic encapsulation technique is covered by Patent No. 3,996,602, and brazed-lead assembly by Patent No. 3,930,306

Features

- Plastic package has Underwriters Laboratory Flammability Classification 94V-0
- High temperature metallurgically bonded construction
- Cavity-free glass passivated junction
- Capable of meeting environmental standards of MIL-S-19500
- High temperature soldering guaranteed: 350°C/10 seconds,
 0.375" (9.5mm) lead length, 5 lbs. (2.3kg) tension

Mechanical Data

Case: JEDEC DO-204AL, 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:** 0.012 ounce, 0.3 gram

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

	SYMBOL	GI250-1	GI250-2	GI250-3	GI250-4	UNIT
Maximum repetitive Peak reverse voltage	Vrrm	1000	2000	3000	4000	V
Maximum RMS voltage	VRMS	700	1400	2100	2800	V
Maximum DC blocking voltage	VDC	1000	2000	3000	4000	V
Maximum average forward rectified current 0.375" (9.5mm) lead length at T _A =75°C	lF(AV)		А			
Peak forward surge current 8.3ms single half sine-wave superimposed on rated load at T _A = 75°C (JEDEC Method)	IFSM		А			
Typical thermal resistance (NOTE 1)	R _Θ JA		°C/W			
Operating junction and storage temperature range	TJ, TSTG		°C			

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

	SYMBOL	GI250-1	GI250-2	GI250-3	GI250-4	UNIT
Maximum instantaneous forward voltage at 0.25A	VF	3.5				V
Maximum DC reverse current $T_A = 25^{\circ}C$ at rated DC blocking voltage $T_A = 100^{\circ}$	I IR		μΑ			
Typical reverse recovery time at IF = 0.5A, IR = 1.0A, Irr = 0.25A	trr		μs			
Typical junction capacitance at 4.0V, 1MHz	CJ	3.0				pF



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

