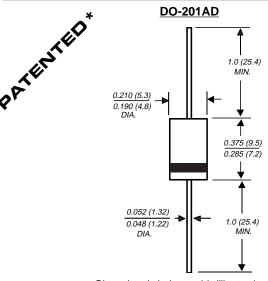
1N5624GP THRU 1N5627GP

GLASS PASSIVATED JUNCTION RECTIFIER

Reverse Voltage - 200 to 800 Volts

Forward Current - 3.0 Amperes



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
- Glass passivated cavity-free junction
- Capable of meeting environmental standards of MIL-S-19500
- ♦ 3.0 Ampere operation at T_A=70°C with no thermal runaway
- Typical IR less than 0.1μA
- High temperature soldering guaranteed: 350°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,

Polarity: Color band denotes cathode end

Mounting Position: Any

Weight: 0.04 ounce, 1.12 grams

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

		SYMBOLS	1N5624GP	1N5625GP	1N5626GP	1N5627GP	UNITS
* Maximum repetitive peak reverse voltage		VRRM	200	400	600	800	Volts
* Maximum DC blocking voltage		VDC	200	400	600	800	Volts
 Maximum average forward rectified current 0.375" (9.5mm) lead lengths at T_A=70°C 		I(AV)	3.0				Amps
 Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method) 		IFSM	125.0				Amps
* Maximum instantaneous forward voltage at 3.0A	T _A =25°C T _A =70°C	VF	1.0 0.95			Volts	
Maximum reverse current at rated DC blocking voltage	T _A =25°C T _A =150°C	IR	30	5.0 00.0	200.0		μΑ
Maximum full load reverse current, full cycle average, 0.375" (9.5mm) lead length at Ta=70°C		IR(AV)	200.0		μΑ		
Typical reverse recovery time (NOTE 1)		trr	3.0			μs	
Typical junction capacitance (NOTE 2)		CJ	40.0			pF	
Typical thermal resistance (NOTE 3)		R⊝JA	20.0			°C/W	
Operating junction and storage temperature range		TJ, TSTG		-65 to +175			°C

- (1) Reverse recovery test conditions: IF=0.5A, IR=1.0A, Irr=0.25A
- (2) Measured at 1.0 MHz and applied reverse voltage of 4.0 VDC
- (3) Thermal resistance from junction to ambient at 0.375" (9.5mm) lead length, P.C.B. mounted

*JEDEC Values



RATINGS AND CHARACTERISTIC CURVES 1N5624GP THRU 1N5627GP

