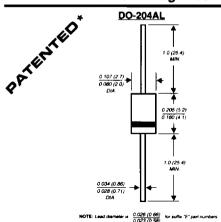
1N3611GP THRU 1N3614GP AND 1N3957GP

GLASS PASSIVATED JUNCTION RECTIFIER

Reverse Voltage - 200 to 1000 Volts

Forward Current - 1.0 Ampere



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
- Capable of meeting environmental standards of MIL-S-19500
- Glass passivated cavity-free junction
- ◆ 1.0 Ampere operation at Ta=75°C with no thermal runaway
- + Typical In 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-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 AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	SYMBOLS	1N 3611GP	1N 3612GP	1N 3613GP	1N 3614GP	1N 3957GP	UNITS
* Maximum repetitive peak reverse voltage	VRRM	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	140	280	420	560	700	Volts
* Maximum DC blocking voltage	VDC	200	400	600	800	1000	Amps
* Maximum average forward rectified current 0.375" (9.5mm) lead length at TA=75°C	l(AV)	1.0					Amps
* Peak forward surge current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	IFSM	30.0					Amps
Maximum instantaneous forward voltage at 1.0A	VF	1.0				Volts	
* Maximum DC reverse current T _A =25°C at rated DC blocking voltage T _A =150°C	l _R	1.0 300.0					μА
Typical reverse recovery time (NOTE 1)	trr	2.0				μs	
Typical junction capacitance (NOTE 2)	CJ	8.0				pF	
Typical thermal resistance (NOTE 3)	Reja Rejl	55.0 25.0					°C/W
Operating junction and storage temperature range	TJ, TSTG	-65 to +175					°C

- (1) Reverse recovery test conditions: Ir=0.5A, In=1.0A, In =0.25A
- (2) Measured at 1.0 MHz and applied reverse voltage of 4.0 Volts
- (3) Thermal resistance from junction to ambient and from junction to lead at 0.375" (9.5mm) lead length, P.C.B. mounted *JEDEC registered values



