



FAST RECOVERY GLASS PASSIVATED RECTIFIER

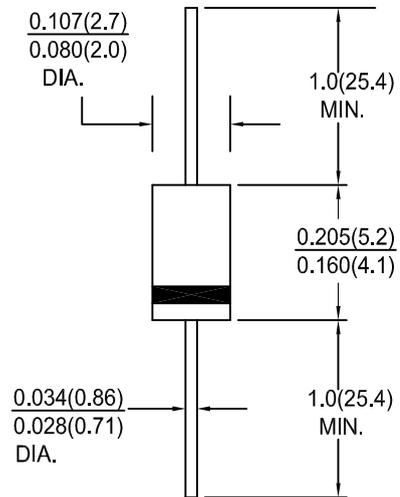
FEATURES:

- High temperature bonded construction
- Fast switching for use in high frequency circuit
- No thermal runaway at 1.0 Amp. Current $T_a=75^\circ\text{C}$
- High temperature soldering guaranteed : $250^\circ\text{C}/10$ 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
 Polarity : Color band on body denotes cathode end
 Mounting Position : Any
 Weight : 0.33 grams, 0.012 ounce

DO-204AL(DO-41)



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

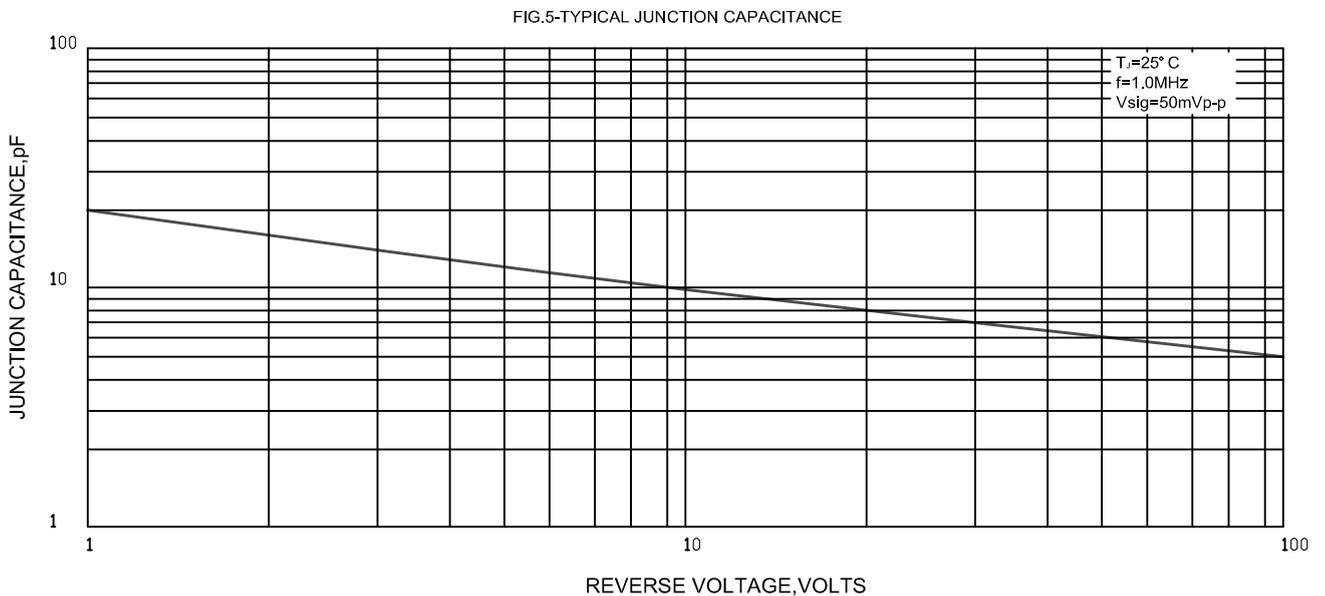
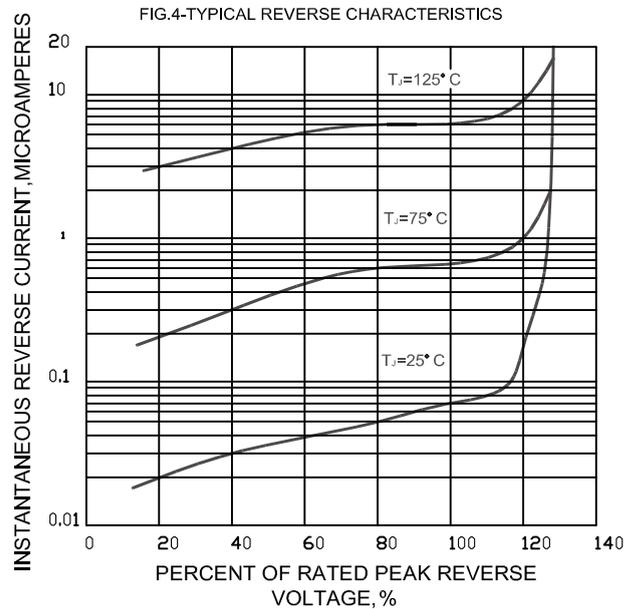
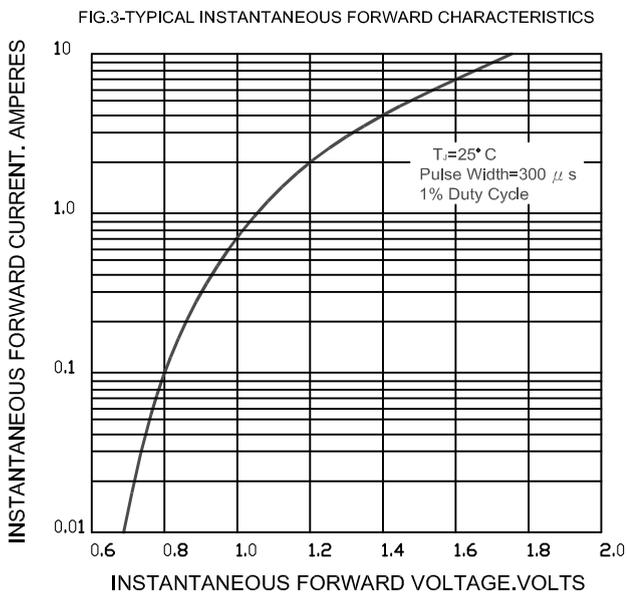
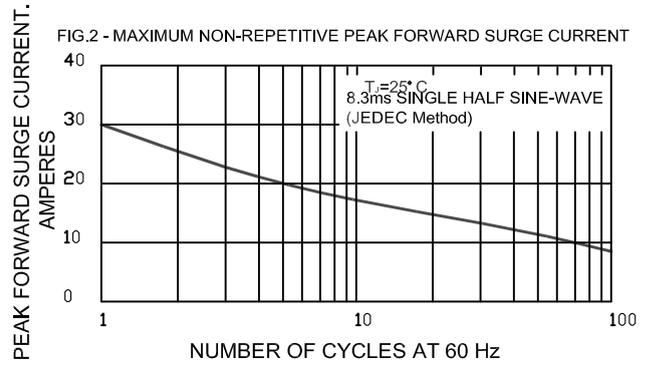
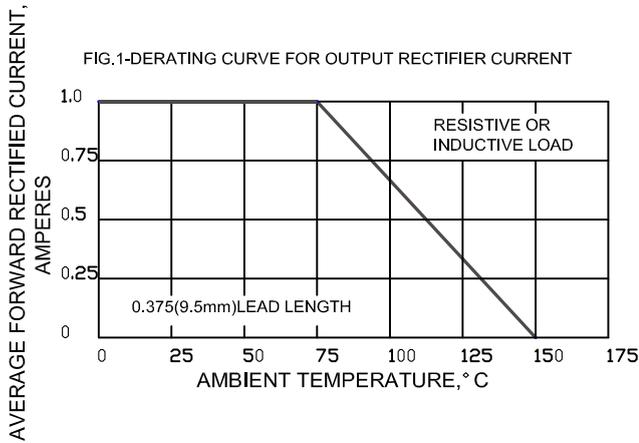
Rating at 25°C ambient temp. unless otherwise specified.
 Single phase, half sine wave, 60 Hz, resistive or inductive load.
 For capacitive load, derate current by 20 %.

Characteristic	Symbol	1N4933G	1N4934G	1N4935G	1N4936G	1N4937G	Units
Maximum recurrent peak reverse voltage	V_{RRM}	50	100	200	400	600	Volts
Maximum RMS voltage	V_{RMS}	35	70	140	280	420	Volts
Maximum DC blocking voltage	V_{DC}	50	100	200	400	600	Volts
Maximum average forward rectified current .375 lead length at $T_a=75^\circ\text{C}$	I_O	1.0					Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I_{FSM}	30.0					Amps
Maximum instantaneous forward voltage drop at 1.0 A	V_F	1.2					Volts
Maximum DC reverse current $T_a=25^\circ\text{C}$ at rated DC blocking voltage $T_a=125^\circ\text{C}$	I_R	5.0 100.0					μA
Typical reverse recovery time (note 1)	t_{rr}	200					nS
Typical thermal resistance	R_{th-JA}	10					$^\circ\text{C}/\text{W}$
Typical junction capacitance (note 2)	C_j	15.0					pF
Operating junction and storage temperature range	T_j, T_{stg}	-65 to +150					$^\circ\text{C}$

NOTES:1. Reverse recovery test condition; $I_F=0.5\text{A}$, $I_R=1.0\text{A}$, $I_{RN}=0.25\text{A}$
 2. Measured at 1MHz and Applied reverse voltage of 4.0V.DC



RATINGS AND CHARACTERISTIC CURVES





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