



GLASS PASSIVATED RECTIFIERS

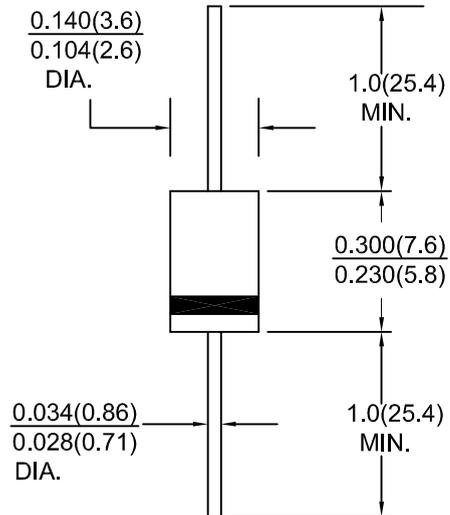
FEATURES:

- High temperature bonded construction
- High surge current capability
- No thermal runaway at 1.5 Amp. Current Ta=70 ° C
- High temperature soldering guaranteed : 250 ° 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 guaranteed
 Polarity : Color band on body denotes cathode end
 Mounting Position : Any
 Weight : 0.4 grams, 0.015 ounce

DO-204AC(DO-15)



Dimensions in inches and (millimeters)

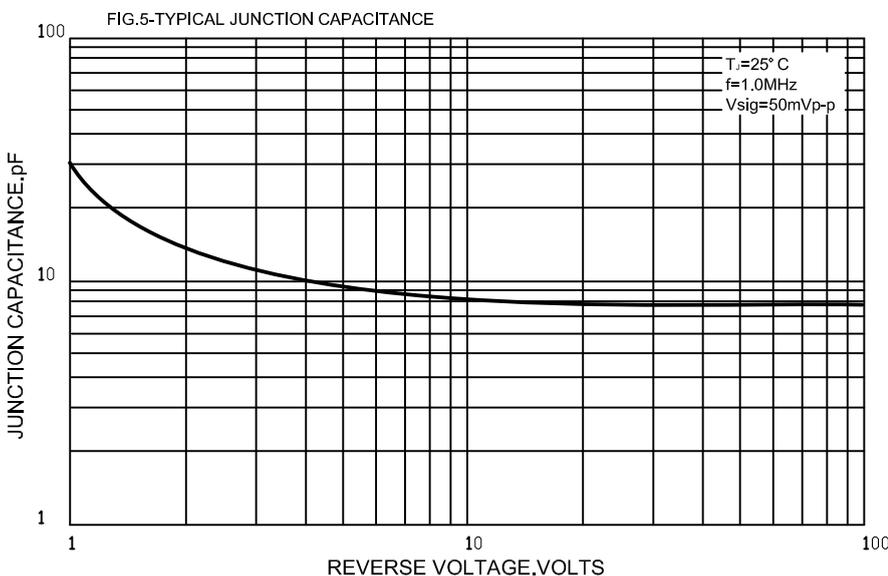
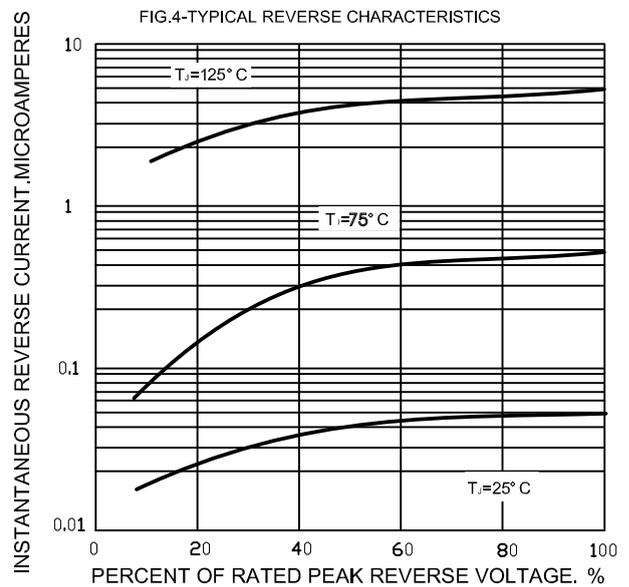
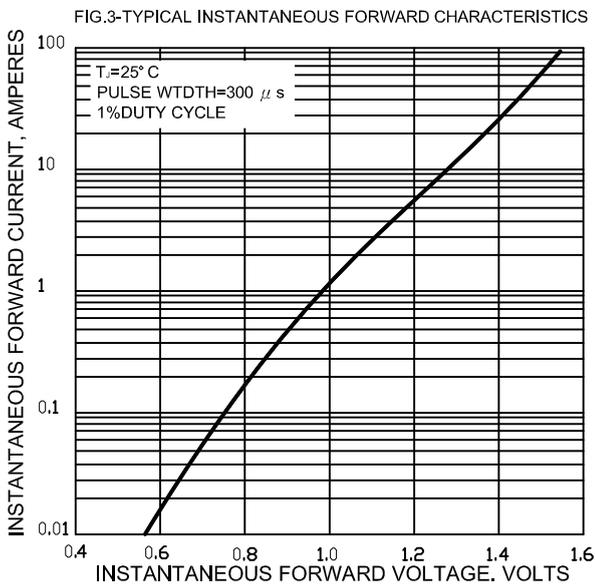
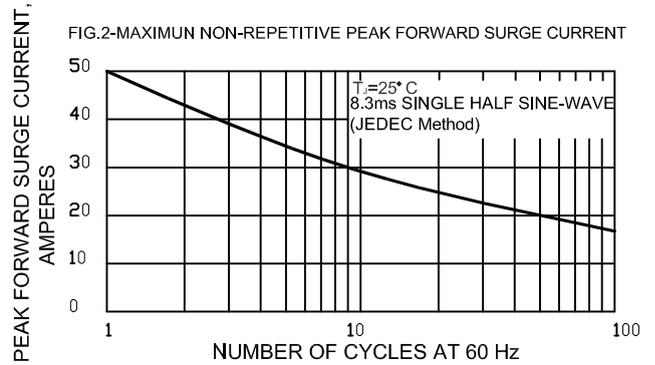
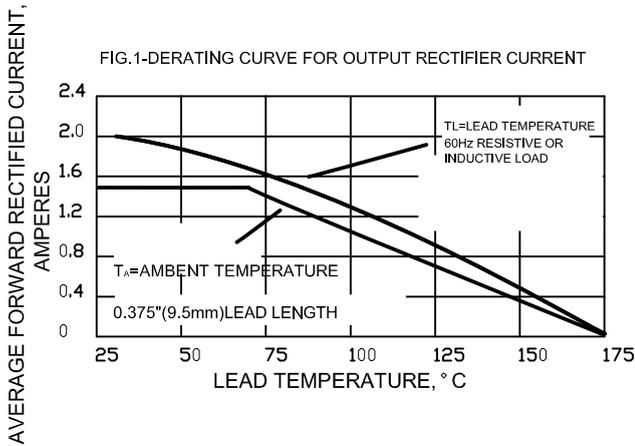
MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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	IN										Units
		5391G	5392G	5393G	5394G	5395G	5396G	5397G	5398G	5399G		
Maximum recurrent peak reverse voltage	V _{RRM}	50	100	200	300	400	500	600	800	1000	Volts	
Maximum RMS voltage	V _{RMS}	35	70	140	210	280	350	420	560	700	Volts	
Maximum DC blocking voltage	V _{DC}	50	100	200	300	400	500	600	800	1000	Volts	
Maximum average forward rectified current at Ta=70° C	I _O	1.5										Amps
Peak forward surge current ,8.3ms single half sine-wave superimposed on rated load(JEDEC Method)	I _{FSM}	50.0										Amps
Maximum instantaneous forward voltage at 1.5 A	V _F	1.1	1.0								Volts	
Maximum DC reverse current Ta=25° C at rated DC reverse voltage Ta=150° C	I _R	5.0										μ A
Typical thermal resistance		45										° C/W
Typical junction capacitance	C _j	15.0										pF
Operating junction and storage temperature range	T _j , T _{stg}	-65 to +150										° C



RATINGS AND CHARACTERISTIC CURVES





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