

FEATURES:

- High temperature bonded construction
- High surge current capability
- No thermal runaway at 1 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

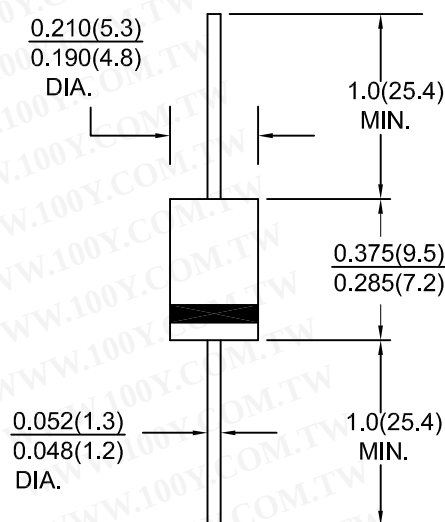
Terminals : Axial leads, solderable per MIL-STD-202,
Method 208 guaranteed

Polarity : Color band on body denotes cathode end

Mounting Position : Any

Weight : 1.2 grams, 0.045 ounce

DO-201AD



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temp. unless otherwise specified.

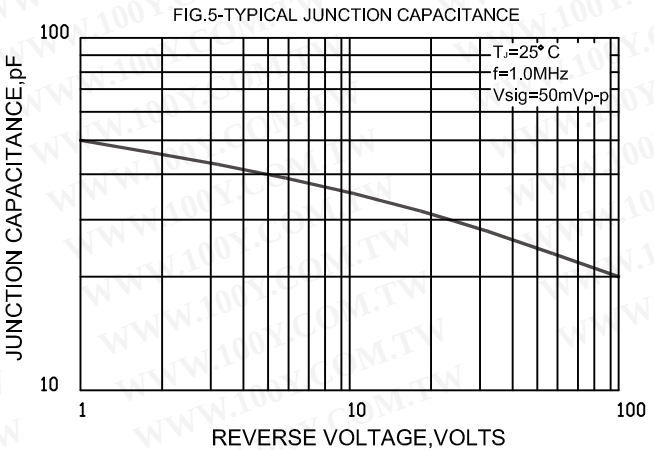
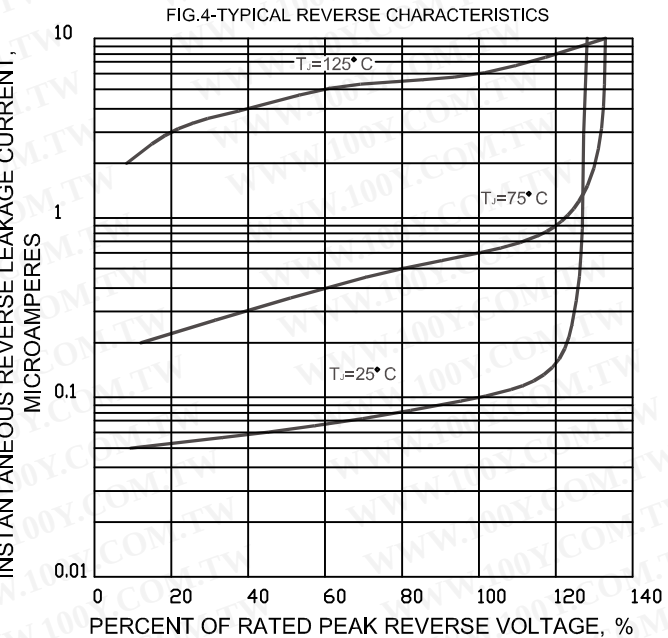
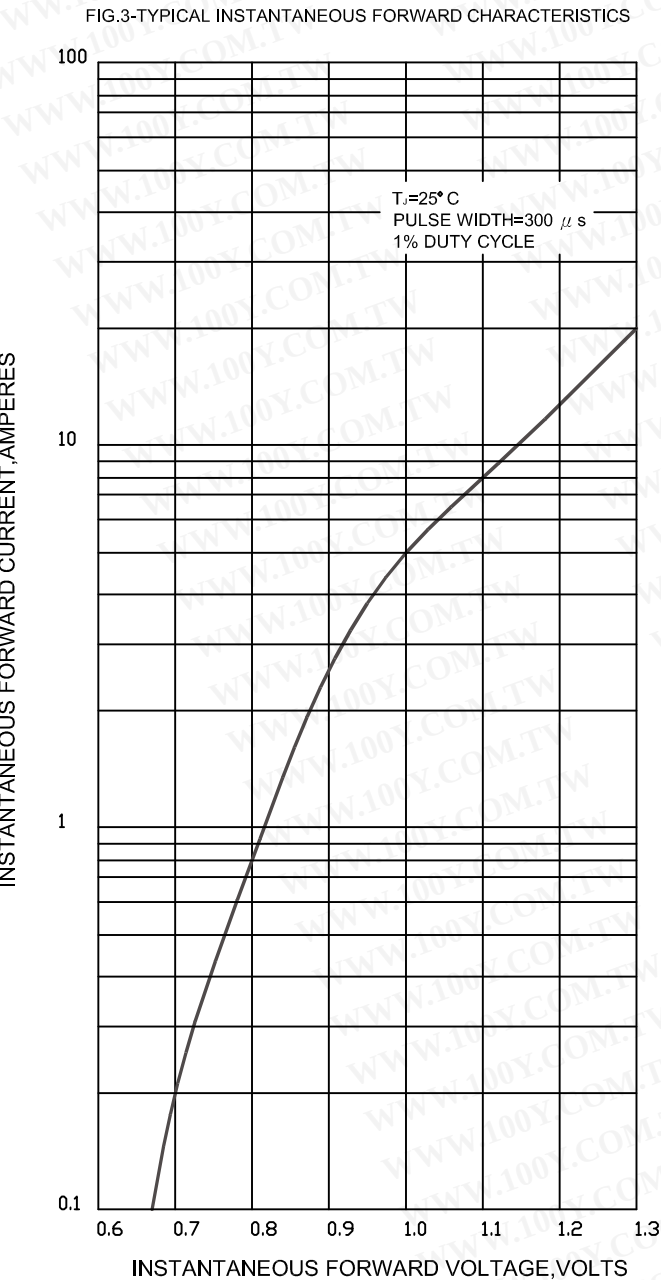
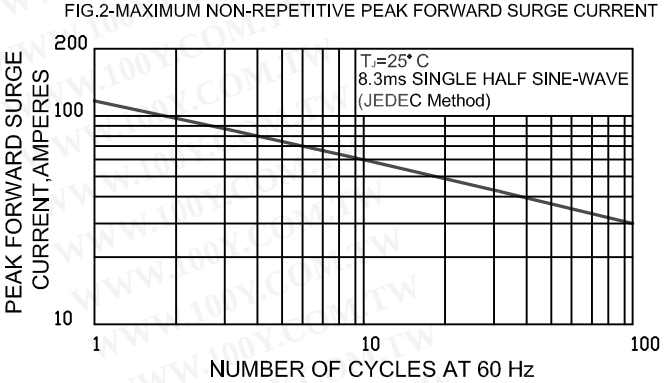
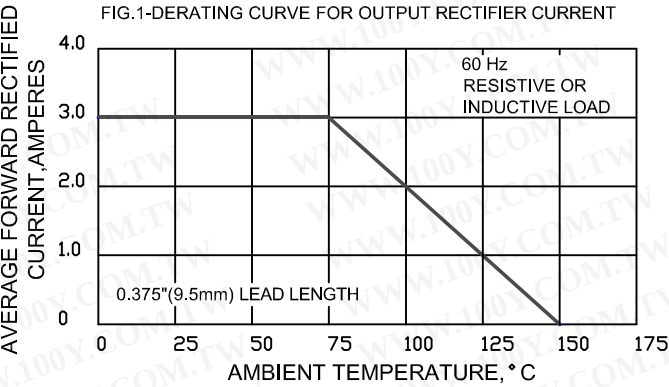
Single phase, half sine wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20 %.

勝特力材料 886-3-5753170
 勝特力电子(上海) 86-21-54151736
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[Http://www.100y.com.tw](http://www.100y.com.tw)

Characteristic	Symbol	GR 301G	GR 302G	GR 303G	GR 304G	GR 305G	GR 306G	GR 307G	Units
Maximum recurrent peak reverse voltage	VRRM	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	VRMS	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	VDC	50	100	200	400	600	800	1000	Volts
Maximum average forward rectified current .375" lead length at Ta=75° C	IO	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 drop at 3.0 A	VF	1.1		1.0					Volts
Maximum DC reverse current Ta=25° C at rated DC blocking voltage Ta=150° C	IR	5.0 100.0							μ A
Maximum full load reverse current, full cycle average 0.375" lead length at Ta=55° C	IR(AV)	100.0							μ A
Typical thermal resistance	Rth-JA Rth-JL	20 10							° C/W
Typical junction capacitance	Cj	15.0							pF
Operating junction and storage temperature range	Tj,Tstg	-65 to +150							° C

RATINGS AND CHARACTERISTIC CURVES GR301G THRU GR307G



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