

# 1N5391G THRU 1N5399G

## GLASS PASSIVATED RECTIFIERS

勝特力材料 886-3-5753170  
 勝特力电子(上海) 86-21-54151736  
 勝特力电子(深圳) 86-755-83298787  
[Http://www.100y.com.tw](http://www.100y.com.tw)

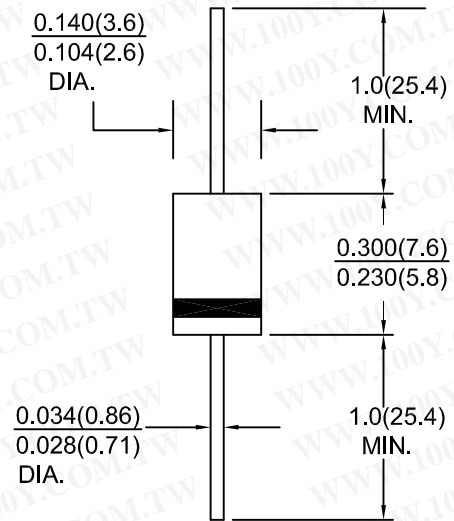
### FEATURES:

- High temperature bonded construction
- High surge current capability
- No thermal runaway at 1.5 Amp. Current  $T_a=70^\circ\text{C}$
- 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 : 0.4 grams, 0.015 ounce

### DO-204AC(DO-15)



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

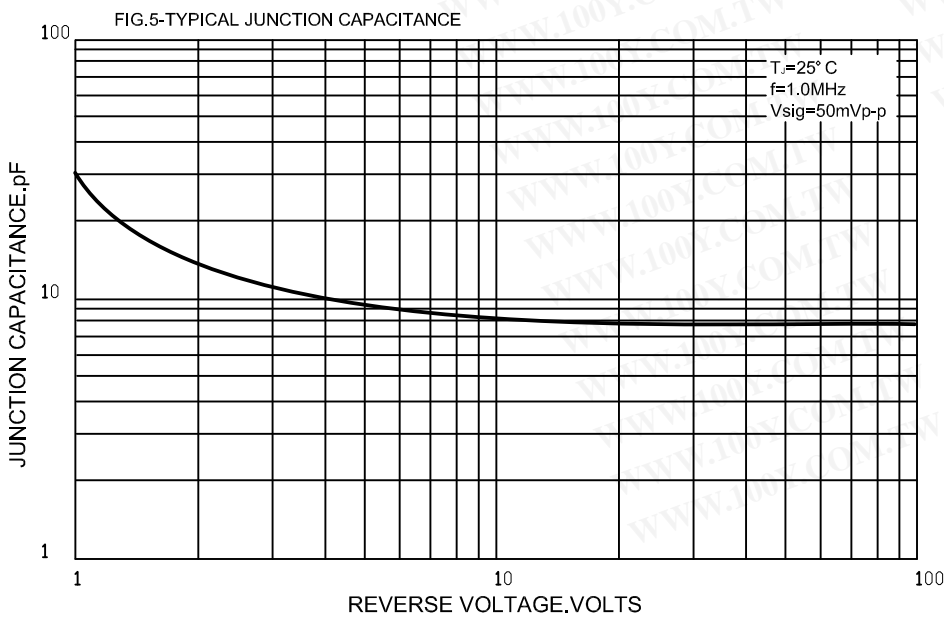
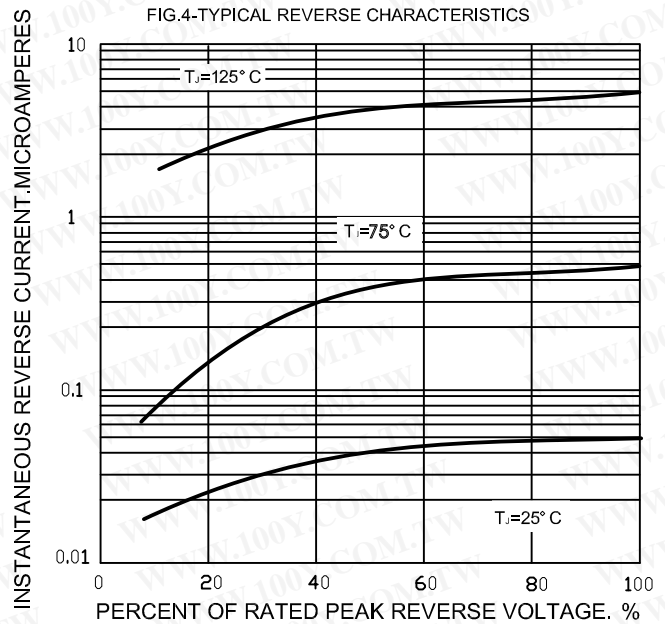
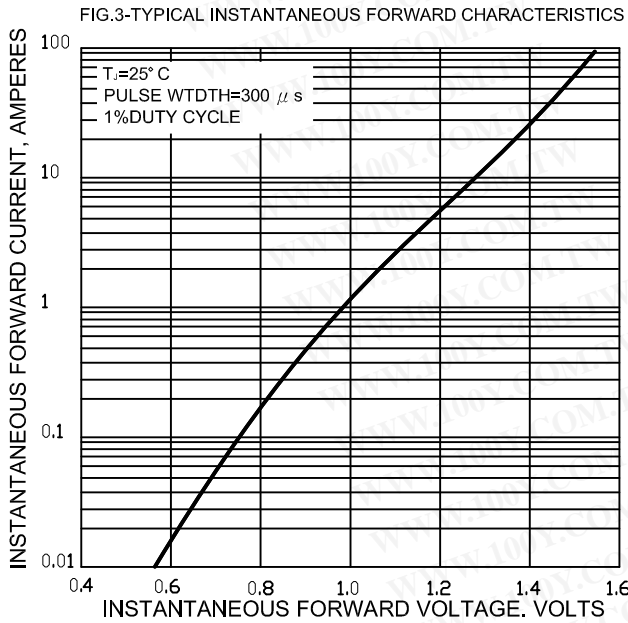
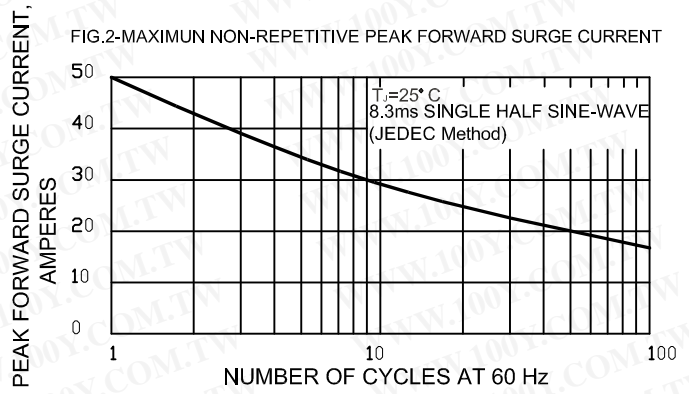
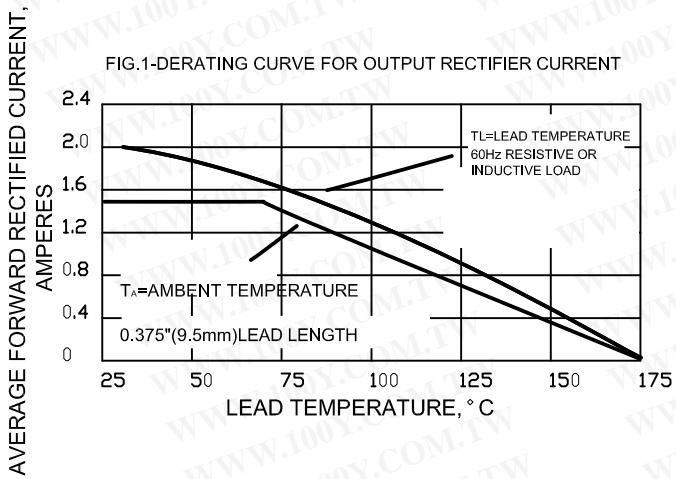
Rating at  $25^\circ\text{C}$  ambient temp. unless otherwise specified.

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 $T_a=70^\circ\text{C}$	$I_O$	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 $T_a=25^\circ\text{C}$ at rated DC reverse voltage $T_a=150^\circ\text{C}$	$I_R$	5.0									$\mu\text{A}$
Typical thermal resistance		100.0									$^\circ\text{C}/\text{W}$
Typical junction capacitance	$C_j$	45									pF
Operating junction and storage temperature range	$T_j, T_{stg}$	15.0									$^\circ\text{C}$
		-65 to +150									

# RATING AND CHARACTERISTIC CURVES 1N5391G THRU 1N5399 G



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