

6 Amp Glass Passivated Quick Connect Rectifier

Features

- Package suitable for assembly
- Glass passivated junction
- High current capability
- Plastic package has underwriters laboratory flammability classification 94 V-O
- RoHS compliant



Mechanical Data

Case:	Pplastic transfer molded
Terminals:	Plated 0.25" fast on terminals
Polarity:	cathode end indicated by color band
Weight:	3.37 gram

Maximum Ratings & Electrical Characteristics ($T_{Ambient}=25^{\circ}C$ unless noted)

Symbol	Description	GT 605G	GT 61G	GT 62G	GT 64G	GT 66G	GT 68G	GT 610G	Unit	Conditions	
VRRM	Max. Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V		
VRMS	Max. RMS Voltage	35	70	140	280	420	560	700	V		
VDC	Max. DC Blocking Voltage	50	100	200	400	600	800	1000	V		
IF(AV)	Max. Average Forward Rectified Current	6.0							A		TA=60°C
		22									TL=60°C
IFSM	Peak Forward Surge Current	400							A	8.3ms single half sine-wave on rated load	
VF	Max. Instantaneous Forward Voltage	1.0							V	IF at 6.0 A	
IR	Max. DC Reverse Current	10							µA	At rated VRRM	
CJ	Typical Junction Capacitance	150							pf	at f=1.0 MHz and Vr = 4.0 volts	
Rθ-JA	Maximum Thermal Resistance	20							° C/W		
TJ,TSTG	Operating Junction and Storage Temperature Range	-55 to 150							° C		

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GT605G~ GT610G

Typical Characteristics Curves

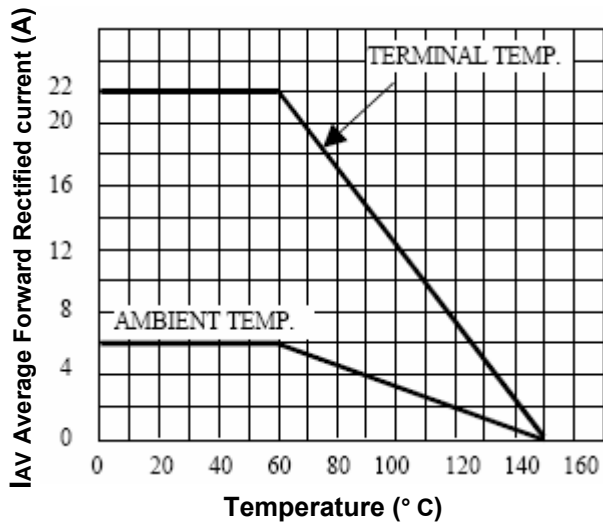


Fig.1- Forward Current Derating Curve

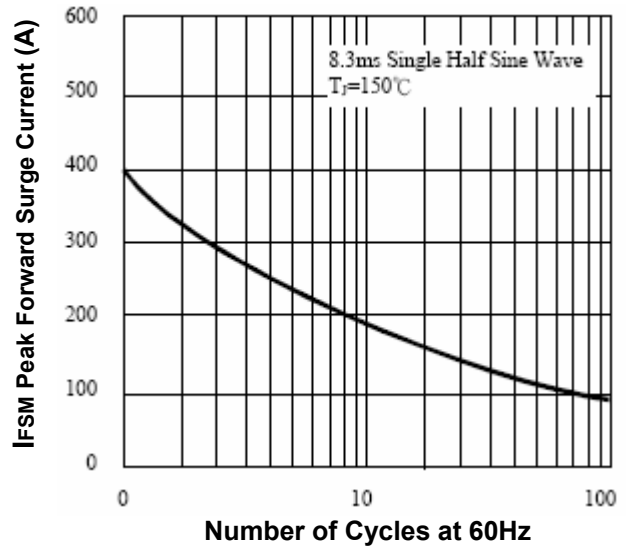


Fig.2- Max. Non-Repetitive Forward Surge Current

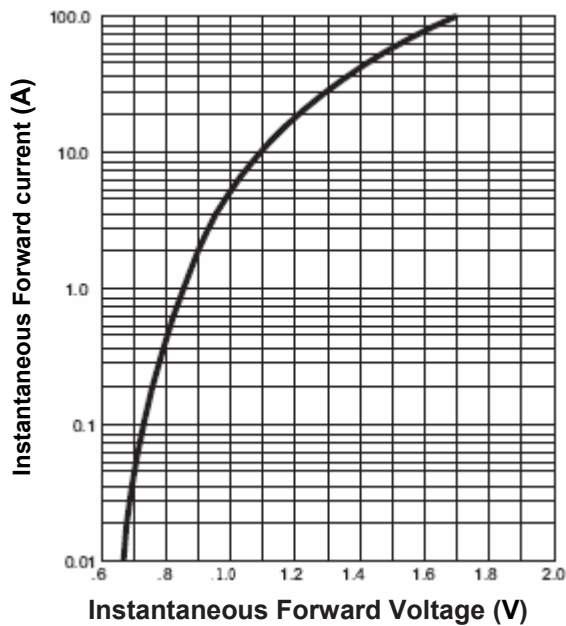


Fig.3- Typical Instantaneous Forward Characteristics

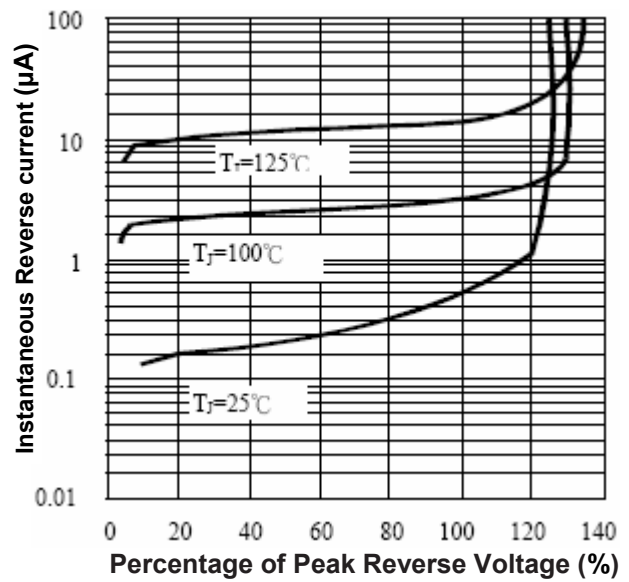


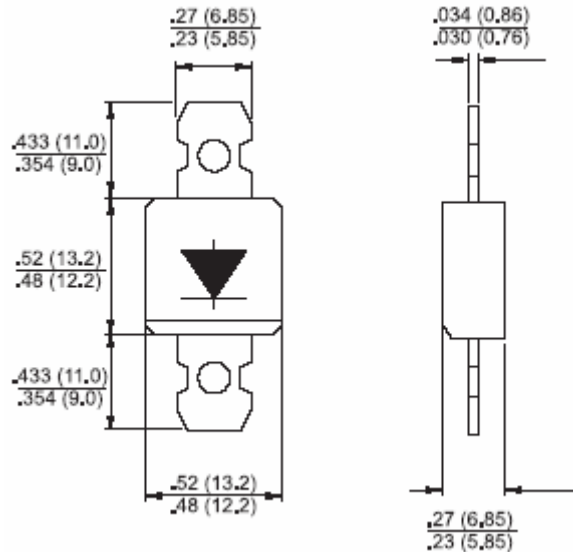
Fig.4- Typical Reverse Characteristics

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GT605G~ GT610G

Dimensions in inch (mm)

Case: GT



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