

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	
V_{RRM}	Max. Recurrent Peak Reverse Voltage	50	100	200	400	600	800	1000	V		
V_{RMS}	Max. RMS Voltage	35	70	140	280	420	560	700	V		
V_{DC}	Max. DC Blocking Voltage	50	100	200	400	600	800	1000	V		
I_{F(AV)}	Max. Average Forward Rectified Current	6.0							A		TA=60°C
		22									TL=60°C
I_{FSM}	Peak Forward Surge Current	400							A	8.3ms single half sine-wave on rated load	
V_F	Max. Instantaneous Forward Voltage	1.0							V	I _F at 6.0 A	
I_R	Max. DC Reverse Current	10							µA	At rated V _{RRM}	
C_J	Typical Junction Capacitance	150							pf	at f=1.0 MHz and V _r = 4.0 volts	
R_{θ-JA}	Maximum Thermal Resistance	20							° C/W		
T_J, T_{ST}_G	Operating Junction and Storage Temperature Range	-55 to 150							° C		

6 Amp Glass Passivated Quick Connect Rectifier

GT605G~ GT610G

Typical Characteristics Curves

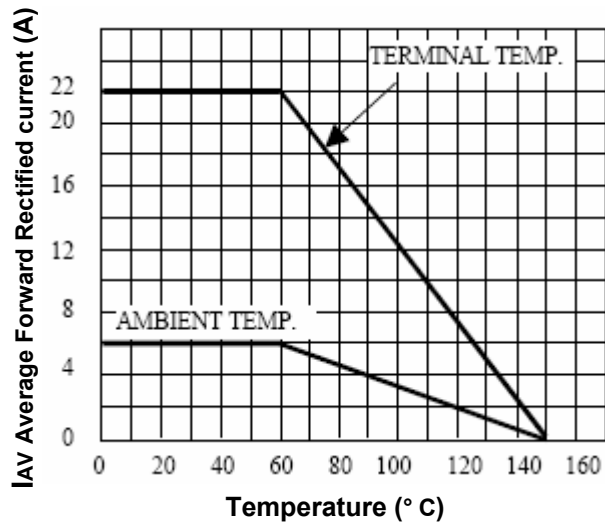


Fig.1- Forward Current Derating Curve

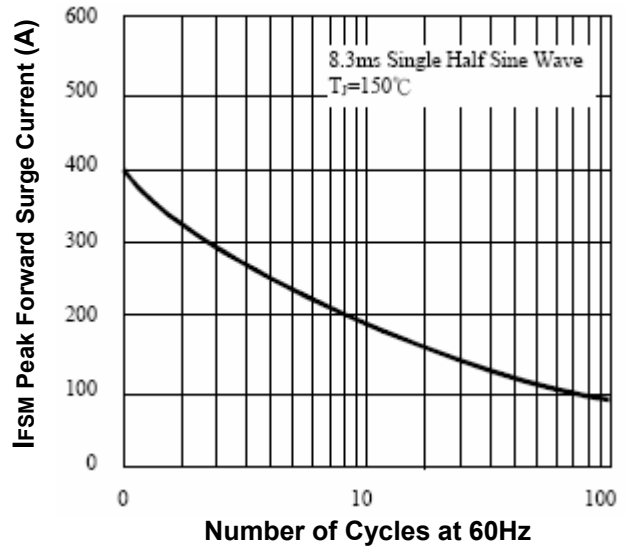


Fig.2- Max. Non-Repetitive Forward Surge Current

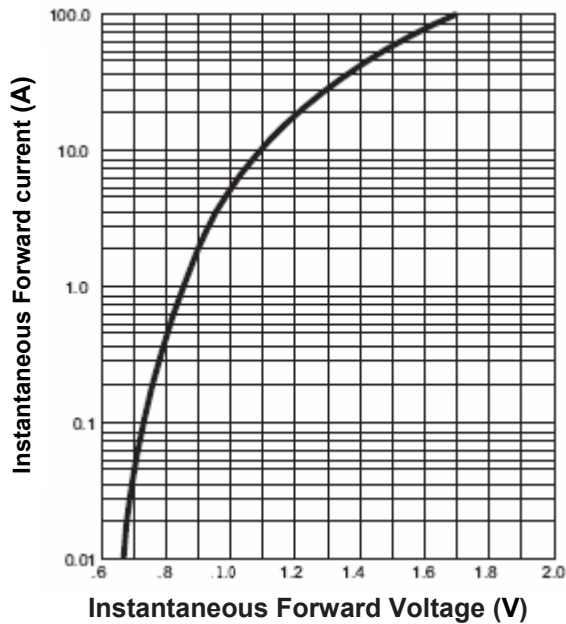


Fig.3- Typical Instantaneous Forward Characteristics

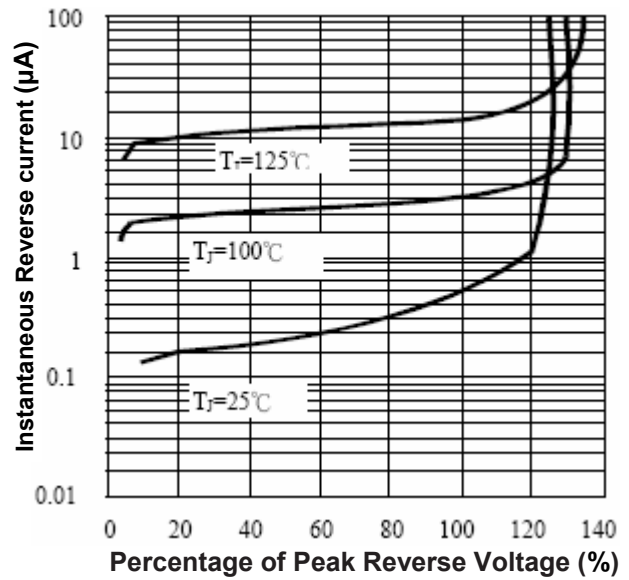
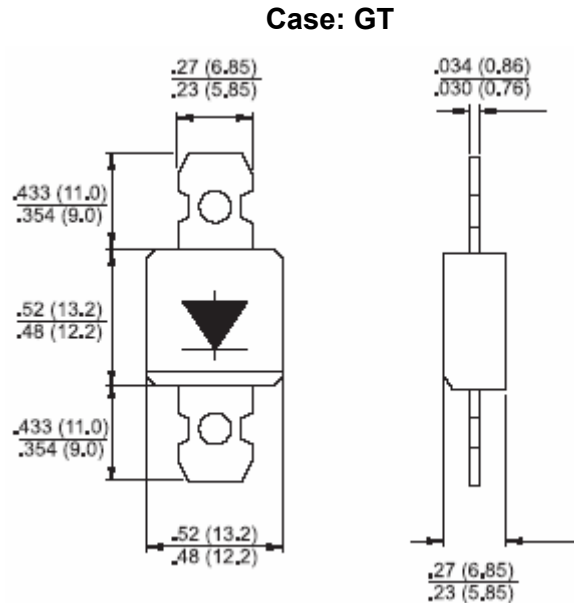


Fig.4- Typical Reverse Characteristics

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GT605G~ GT610G

Dimensions in inch (mm)



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