

## 6A Glass Passivated Quick Connect Rectifier

### Features

- Diffused junction
- High surge current capability
- Bevel round chip, avalanche operation
- Glass passivated junction
- RoHS Compliance



GTH6



### Mechanical Data

<b>Case:</b>	GTH6, transfer molded
<b>Epoxy:</b>	Plastic package has UL flammability classification 94V-0
<b>Terminals:</b>	Plated 0.25" (6.35mm) fast-on terminals
<b>Polarity:</b>	Color band denotes cathode end
<b>Weight:</b>	3.37 grams

### Maximum Ratings and Electrical Characteristics ( $T_A=25^{\circ}\text{C}$ unless noted otherwise)

Symbol	Description	GT64GH	Unit	Conditions
<b>V<sub>RRM</sub></b>	Maximum Repetitive Peak Reverse Voltage	400	V	
<b>V<sub>RMS</sub></b>	Maximum RMS Voltage	280	V	
<b>V<sub>DC</sub></b>	Maximum DC Blocking Voltage	400	V	
<b>I<sub>F(AV)</sub></b>	Maximum Average Forward Rectified Current	6.0	A	T <sub>A</sub> =60° C
		22		T <sub>L</sub> =60° C
<b>I<sub>FSM</sub></b>	Peak Forward Surge Current	400	A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
<b>V<sub>F</sub></b>	Maximum Instantaneous Forward Voltage	1.0	V	I <sub>F</sub> =6.0A

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## GT64GH

Symbol	Description	GT64GH	Unit	Conditions
<b>I<sub>R</sub></b>	Maximum DC Reverse Current at Rated DC Blocking Voltage	5	$\mu\text{A}$	$T_A=25^\circ\text{C}$
		50		$T_A=100^\circ\text{C}$
<b>C<sub>J</sub></b>	Typical Junction Capacitance	150	pF	$V_R=4\text{V}$ , $f=1\text{MHz}$
<b>R<sub>thJA</sub></b>	Typical Thermal Resistance	20	$^\circ\text{C} / \text{W}$	
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating Junction and Storage Temperature Range	-55 to +150	$^\circ\text{C}$	

**Note:** Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

### Typical Characteristics Curves

Fig.1- Forward Current Derating Curve

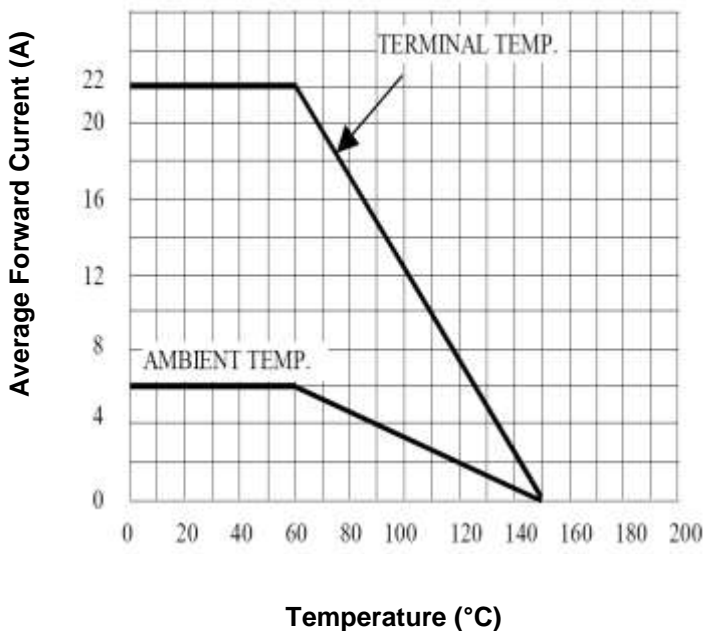
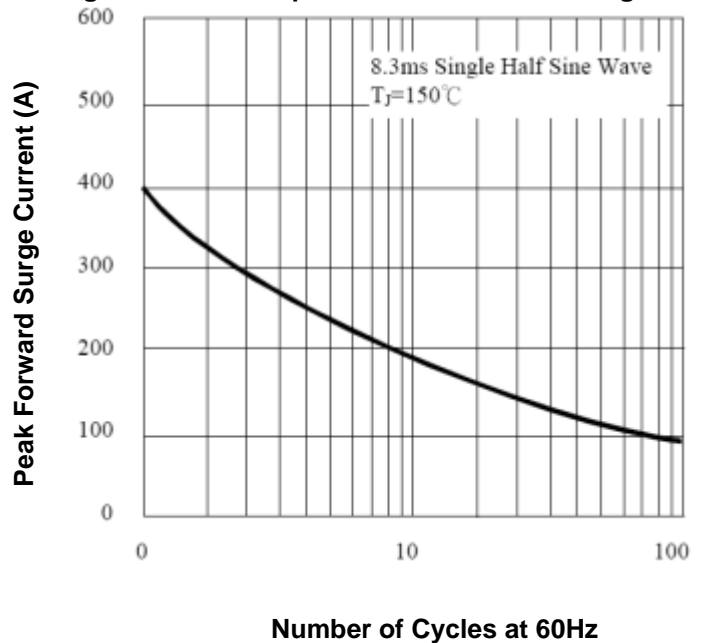


Fig.2-Max. Non-Repetitive Peak Forward Surge Current



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Fig.3- Typical Instantaneous Forward Characteristics

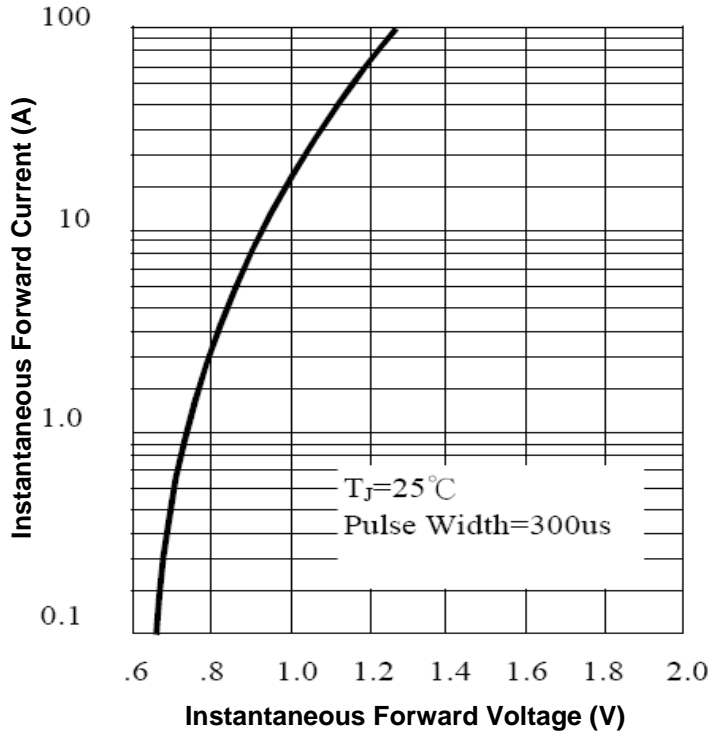
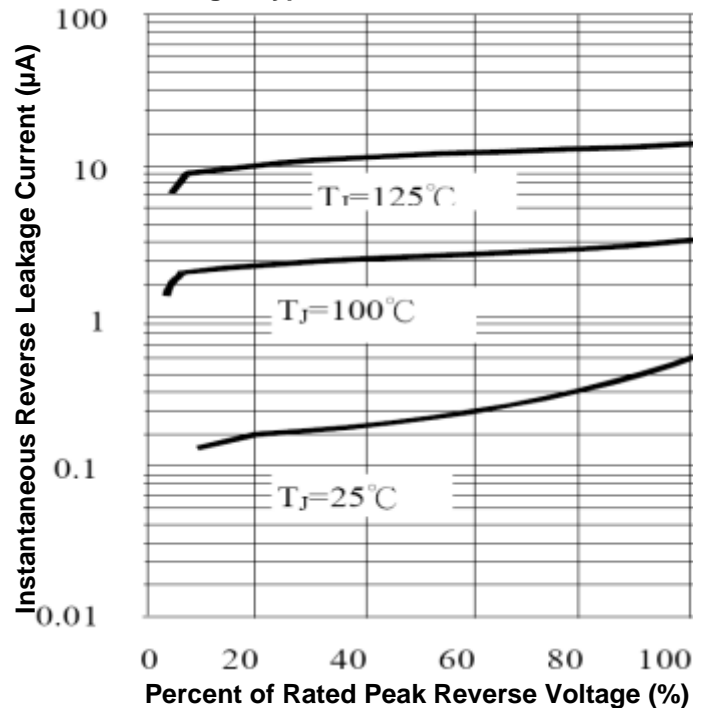
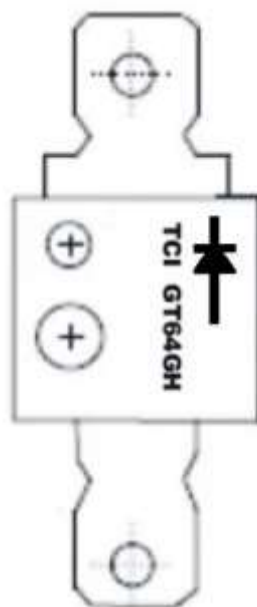


Fig.4-Typical Reverse Characteristics



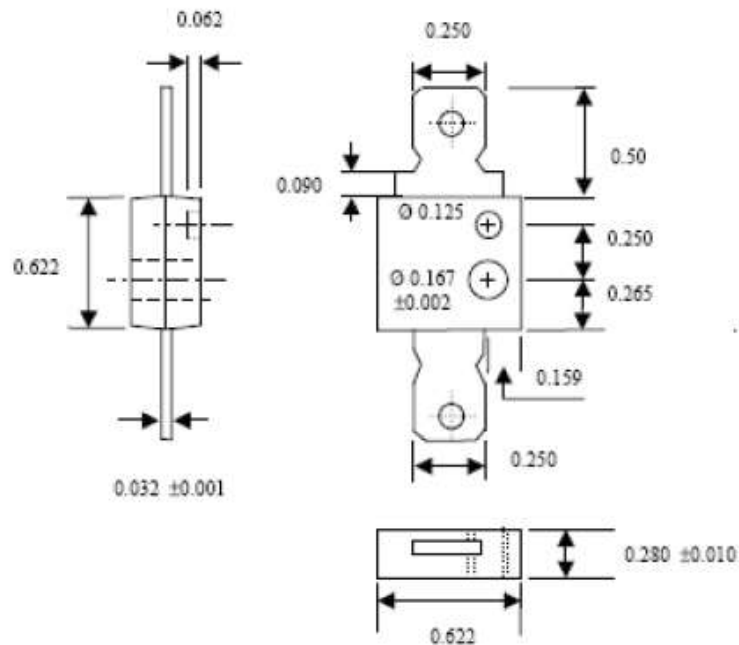
## Marking Information:



# 6A Glass Passivated Quick Connect Rectifier

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## Dimensions in inch



GTH6

## How to contact us

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