

GT605 THRU **GT610**

6.0 AMPS. Glass Passivated Rectifiers



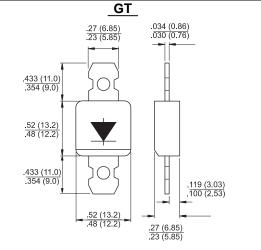
Voltage Range 50 to 1000 Volts Current 6.0 Amperes

Features

- ♦ Low forward voltage drop
- ♦ High current capability
- ♦ High reliability
- → High surge current capability

Mechanical Data

- ♦ Cases: Molded plastic
- → Epoxy: UL 94V-0 rate flame retardant
- ♦ Lead: Terminals, solderable per MIL-STD-202, Method 208 guaranteed
- → High temperature soldering guaranteed: 260°C/10 seconds at 5 lbs.,(2.3kg) tension
- ♦ Weight: 3.46 grams



Dimensions in inches and (millimeters)

Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified.

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

For capacitive load, derate current by 20%

To capacitive load, delate cultert by 2070									
Type Number	Symbol	GT 605	GT 61	GT 62	GT 64	GT 66	GT 68	GT 610	Units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @ $T_A = 60^{\circ}C$	I _(AV)				6.0				Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	I _{FSM}	250							Α
Maximum Instantaneous Forward Voltage @ 6.0A	V_{F}	1.0							V
Maximum DC Reverse Current @ T _A =25°C	I _R	10							uA
at Rated DC Blocking Voltage @ T _A =125°C					100				uA
Typical Junction Capacitance (Note)	Cj	100							pF
Operating Temperature Range	TJ	-65 to +150							$^{\circ}$
Storage Temperature Range	T_{STG}	-65 to +150							${\mathbb C}$

Note: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.



