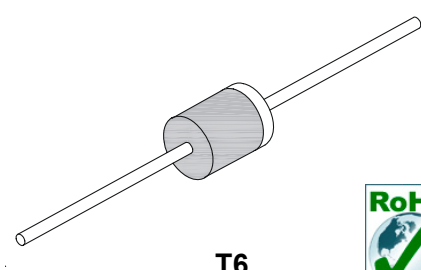


6.0A Glass Passivated Rectifier

Features

- Low Forward Voltage Drop
- High Current Capability
- High Surge Current Capability
- High Reliability
- High Temperature Soldering Guaranteed 260°C/10 seconds
.375" (9.5mm) lead length, 5lbs (2.3kg) tension
- RoHS compliant



T6



Mechanical Data

Case:	Molded Plastic
Epoxy:	Meets UL 94V-0 flammability rating
Terminals:	Axial leads, solderable per MIL-STD-202E, Method 208C
Polarity:	Cathode indicated by color band
Weight:	0.06 ounce, 1.7grams

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

Symbol	Description	T6A05G	T6A10G	T6A20G	T6A40G	T6A60G	T6A80G	T6A100G	Unit
VRRM	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V
VRMS	Maximum RMS Voltage	35	70	140	280	420	560	700	V
VDC	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V
IO(AV)	Maximum Average Forward Rectified Current @Ta=60° C	6.0							A
IFSM	Peak Forward Surge Current (Note1)	250							A
TJ	Operating Junction Temperature Range	-55 to +150							° C
TSTG	Storage Temperature Range	-55 to +175							° C

6.0A Glass Passivated Rectifier

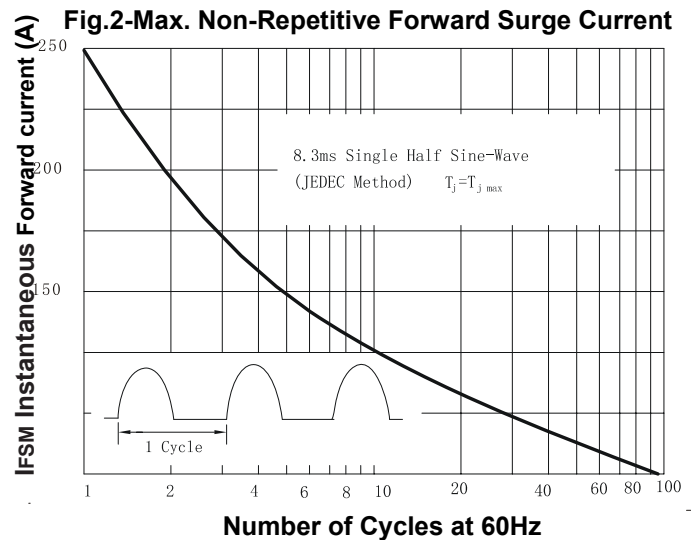
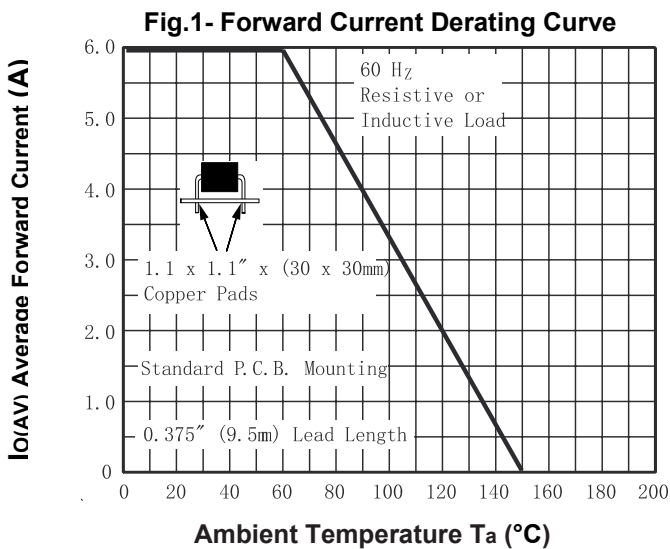
T6A05G - T6A100G

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

Symbol	Description	T6A05G	T6A10G	T6A20G	T6A40G	T6A60G	T6A80G	T6A100G	Unit
V_F	Maximum Forward Voltage @ $I_F=6.0A$	1.1							V
I_R	Maximum DC Reverse Current at Rated DC Blocking Voltage	$T_A=25^{\circ}C$			10.0				μA
		$T_A=100^{\circ}C$			500				μA
C_J	Typical Junction Capacitance (Note2)	100				pf			
$R_{\theta-JA}$	Maximum Thermal Resistance (Note3)	10				$^{\circ}C/W$			

- Note:**
- 8.3ms single half sine-wave superimposed on rated load (JEDEC method)
 - Measured at 1MHz and applied reverse voltage of 4.0Volts D.C.
 - Thermal resistance from junction to ambient at .375" (9.5mm) lead length.

Typical Characteristics Curves



6.0A Glass Passivated Rectifier

T6A05G - T6A100G

Fig.3-Typical Instantaneous Forward Characteristics

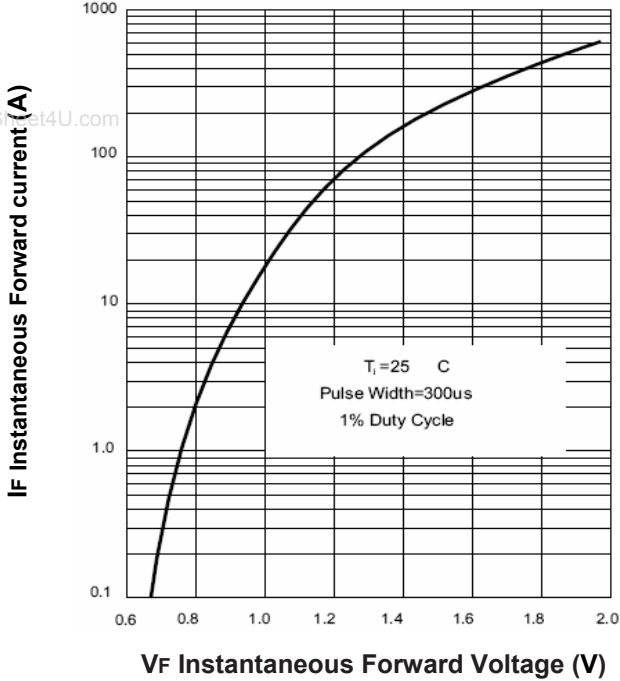


Fig.4- Typical Reverse Characteristics

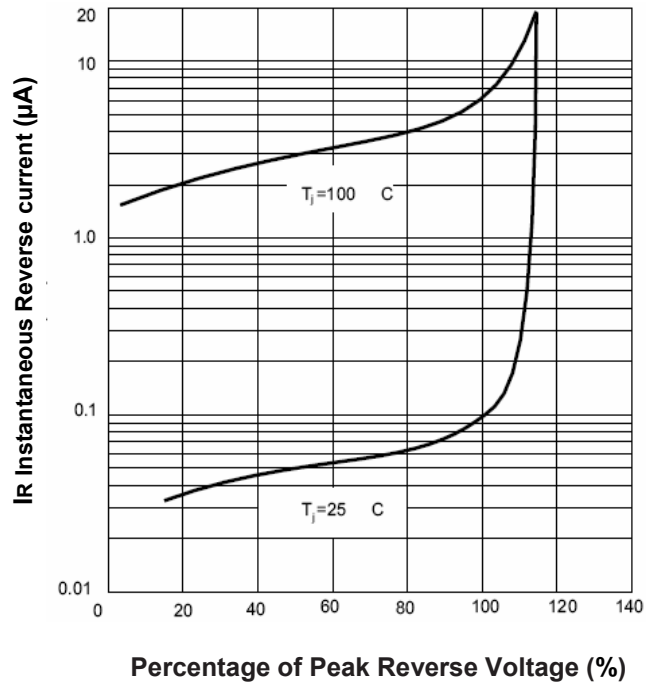
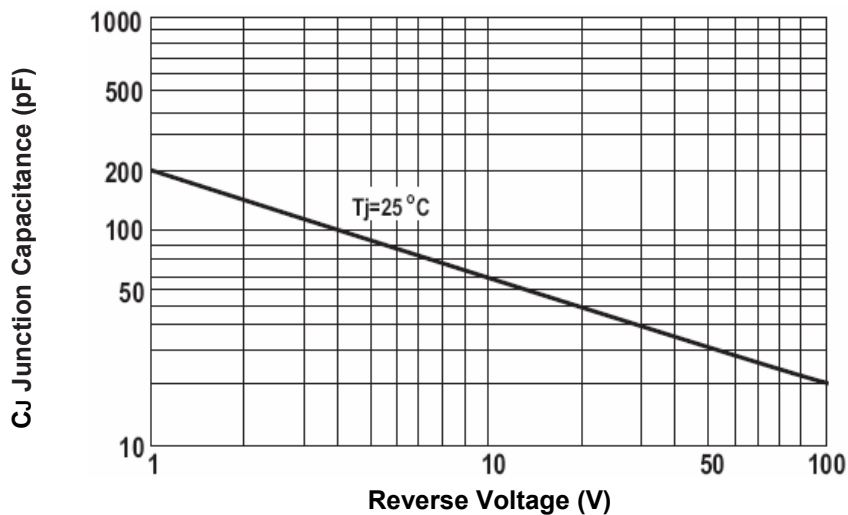


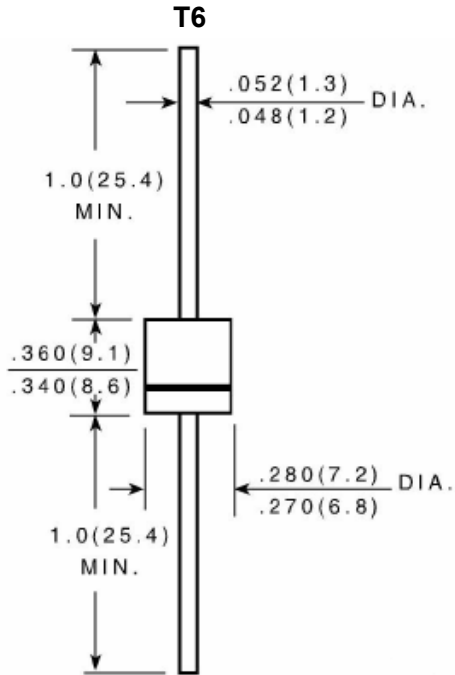
Fig.5-Typical junction capacitance



6.0A Glass Passivated Rectifier

T6A05G - T6A100G

Dimensions in inches (mm)



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6.0A Glass Passivated Rectifier

T6A05G - T6A100G

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