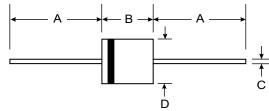


LT6A01 - LT6A07

6.0A RECTIFIER

INACTIVE, NOT FOR NEW DESIGN, USE 6A05 - 6A10

OR NEW DESIGN, SE 6A05 - 6A10



R-6							
Dim	Min	Max					
Α	25.40	_					
В	8.60	9.10					
С	1.20	1.30					
D	8.60	9.10					
All Dimensions in mm							

Features

- Diffused Junction
- High Current Capability and Low Forward Voltage Drop
- Surge Overload Rating to 400A Peak
- Low Reverse Leakage Current
- Plastic Material UL Flammability Classification 94V-0

Mechanical Data

• Case: Molded Plastic

 Terminals: Plated Leads Solderable per MIL-STD-202, Method 208

Polarity: Cathode BandWeight: 2.1 grams (approx)Marking: Type Number

Maximum Ratings and Electrical Characteristics @ TA = 25°C unless otherwise specified

Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

Characteristic	Symbol	6A01	6A02	6A03	6A04	6A05	6A06	6A07	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V _{RRM} V _{RWM} V _R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1) @ T _A = 60°C	lo	6.0					Α		
Non-Repetitive Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)		400							А
Forward Voltage @ I _F = 6.0A	V _{FM}	1.0						V	
Peak Reverse Current @T _A = 25°C at Rated DC Blocking Voltage @ T _A = 100°C	I _{RM}	10 1.0						μA mA	
Typical Junction Capacitance (Note 2)		140 70					pF		
Typical Thermal Resistance Junction to Ambient		15							K/W
Operating and Storage Temperature Range		-65 to +150							°C

Notes: 1. Leads maintaineed at ambient temperature at a distance of 9.5mm from the case.

2. Measured at 1.0 MHz and applied reverse voltage of 4.0V DC.

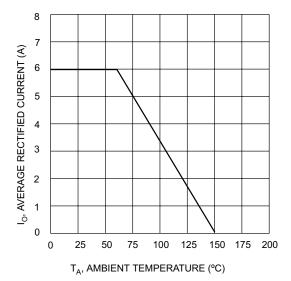


Fig. 1 Forward Current Derating Curve

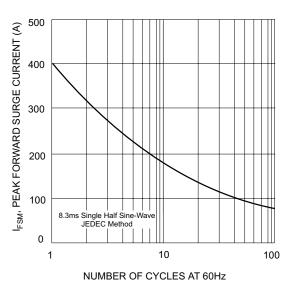


Fig. 3 Maximum Non-Repetitive Peak Forward Surge Current

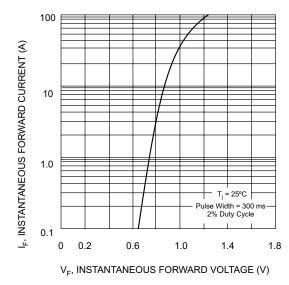
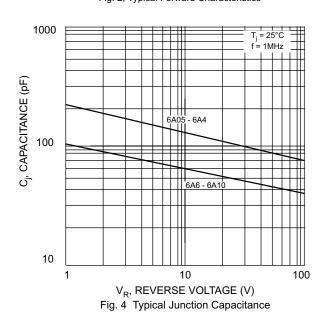


Fig. 2, Typical Forward Characteristics



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