山东迪一电子科技有限公司



6A05 - 6A10 🚱 🖍

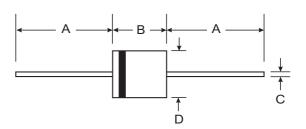
6.0A SILICON RECTIFIER

Features

- High Surge Current Capability
- Low Leakage and Forward Voltage Drop
- Lead Free Finish, RoHS Compliant (Note 1)

Mechanical Data

- Case: R-6
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020C
- Terminals: Finish Bright Tin. Axial Leads, Solderable per MIL-STD-202, Method 208
- Polarity: Color Band Indicates Cathode
- Ordering Information: See Last Page
- Approximate Weight: 2.1 grams



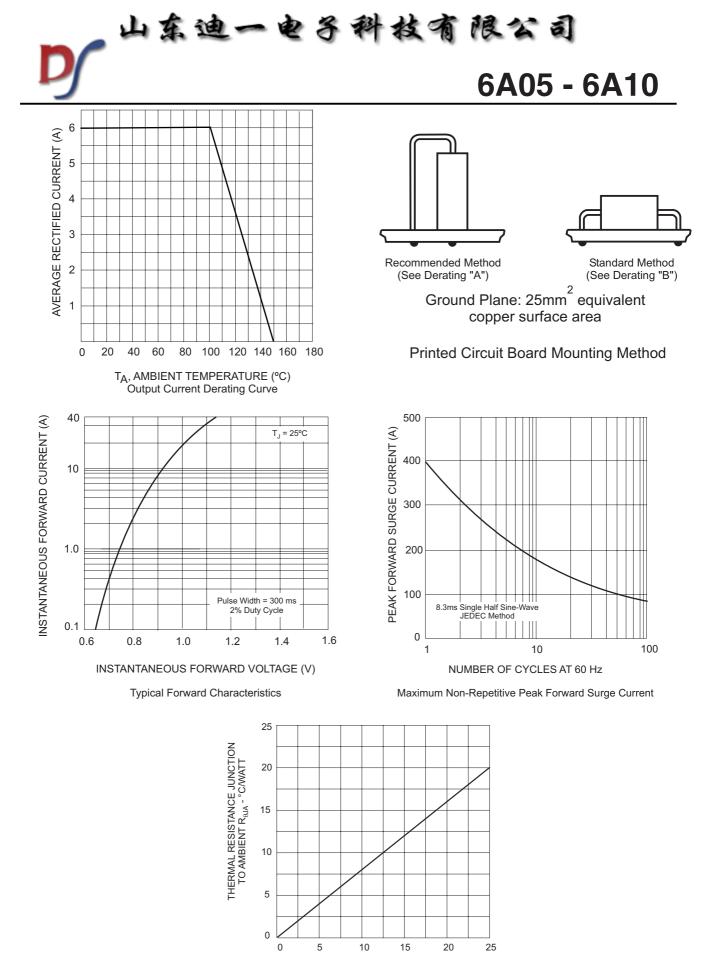
R-6							
Dim	Min	Мах					
Α	25.40	—					
В	8.60	9.10					
С	1.20	1.30					
D	8.60	9.10					
All Dimensions in mm							

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

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, halfwave, 60Hz, resistive or inductive load.

Characteristic	Symbol	6A05	6A1	6A2	6A4	6A6	6A8	6A10	Unit
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage		35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage		50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 9.5mm lead length @ $T_A = 75^{\circ}C$ (See Fig. 1)	I _(AV)	6.0						А	
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)		400							А
Maximum Instantaneous Forward Current at 6.0A DC	VF	0.90							V
		10 100						μA	
Operating and Storage Temperature Range	TJ, Tstg	-65 to +150					°C		

Notes: 1. RoHS revision 13.2.2003. Glass and High Temperature Solder Exemptions Applied, see EU Directive Annex Notes 5 and 7.



LEAD LENGTH TO HEAT SINK (mm)

Typical Thermal Resistance (Using Standard Mounting Method "B")