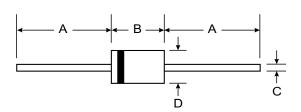


## 1.0A GLASS PASSIVATED RECTIFIER

## **Features**

- Glass Passivated Die Construction
- Diffused Junction
- High Current Capability and Low Forward Voltage Drop
- Surge Overload Rating to 30A Peak
- Plastic Material: UL Flammability Classification Rating 94V-0



## **Mechanical Data**

Case: Molded Plastic

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

Polarity: Cathode BandMarking: Type Number

Weight: 0.13 grams (approx.)

T-1							
Dim	Min	Max					
Α	25.40	_					
В	2.60	3.20					
С	0.53	0.64					
D	2.20	2.60					
All Dimensions in mm							

## 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	D1G	D2G	D3G	D4G	D5G	D6G	D7G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	V <sub>RRM</sub> V <sub>RWM</sub> V <sub>R</sub>	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	V <sub>R(RMS)</sub>	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)	Io	1.0					Α		
Non-Repetitive Peak Forward Surge Current 8.3ms Single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	30					A		
Forward Voltage @ I <sub>F</sub> = 1.0A	V <sub>FM</sub>	1.0						٧	
Peak Reverse Current @ T <sub>A</sub> = 25°C at Rated DC Blocking Voltage @ T <sub>A</sub> = 100°C		5.0 50						μА	
Reverse Recovery Time (Note 3)		2.0							μS
Typical Junction Capacitance (Note 2)		8.0							pF
Typical Thermal Resistance Junction to Ambient		100						K/W	
Operating and Storage Temperature Range		-65 to +150						°C	

Notes:

- 1. Valid provided that leads are maintained at ambient temperature at a distance of 9.5mm from the case.
- 2. Measured at 1.0MHz and applied reverse voltage of 4.0V DC.
- 3. Measured with  $I_F = 0.5A$ ,  $I_R = 1A$ ,  $I_{rr} = 0.25A$ .

