

1.0A GLASS PASSIVATED RECTIFIER



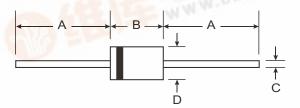
Features

Glass Passivated Die Construction

High Current Capability and Low Forward Voltage Drop

Surge Overload Rating to 30A Peak

Lead Free Finish, RoHS Compliant (Note 4)



Mechanical Data

Case: T1

Case Material: Molded Plastic. UL Flammability

Classification Rating 94V-0

Moisture Sensitivity: Level 1 per J-STD-020C

Polarity: Cathode Band

Terminals: Finish – Tin. Solderable per MIL-STD-202, Method 208

Method 208 Marking: Type Number

WWW.DZSC.COM Weight: 0.13 grams (approximate)

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

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

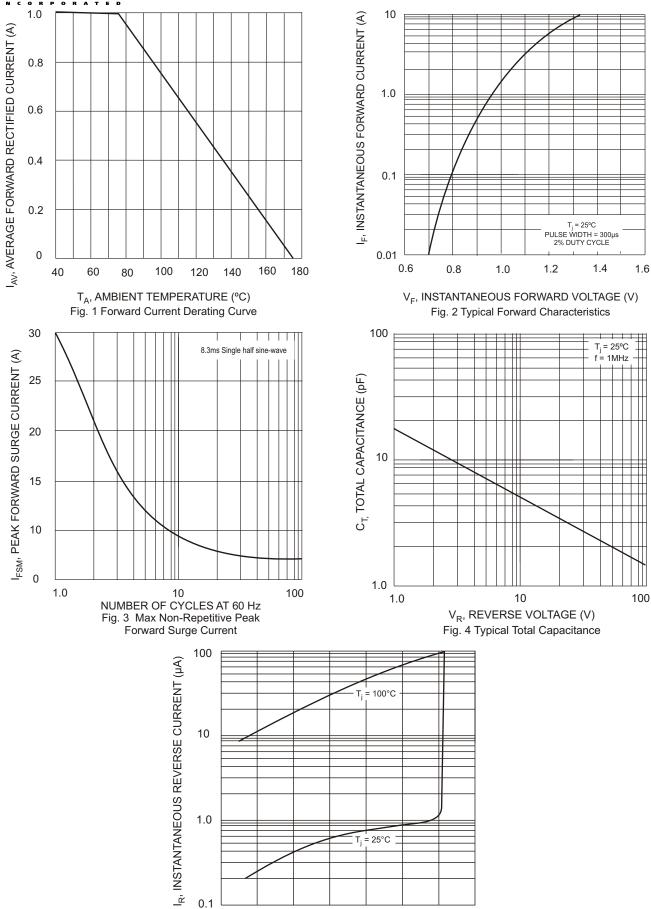
Single phase, half wave, 60Hz, resistive of capacitive load, derate current by 20%									7.CO	
Characteristic		Symbol	D1G	D2G	D3G	D4G	D5G	D6G	D7G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage	子市场	V _{RRM} V _{RWM} V _R	50	100	200	400	600	800	1000	V
RMS Reverse Voltage	W.0750	V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)	@ T _A = 75 C	Io				1.0				А
Non-Repetitive Peak Forward Surge Cu 8.3ms Single half sine-wave superimpos		I _{FSM}				30		1	10	А
Forward Voltage	@ I _F = 1.0A	V _{FM}				1.0			-03	V
Peak Reverse Current at Rated DC Blocking Voltage	@ T _A = 25 C @ T _A = 100 C	I _{RM}		15	e G	5.0 50	WW	075		А
Reverse Recovery Time (Note 3)		t _{rr}	/ 1	.71		2.0				S
Typical Total Capacitance (Note 2)		Ст				8.0				pF
Typical Thermal Resistance Junction to Ambient		R JA	100						C/W	
Operating and Storage Temperature Range		T _j , T _{STG}			-1	65 to +15	50			С

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 $I_F = 0.5A$, $I_R = 1A$, $I_{rr} = 0.25A$.
- 4. RoHS revision 13.2.2003. Glass and High Temperature Solder Exemptions Applied, see EU Directive Annex Notes 5 and 7.



DODES



PERCENT OF RATED PEAK REVERSE VOLTAGE (%) Fig. 5 Typical Reverse Characteristics



Ordering Information (Note 5)

Device	Packaging	Shipping		
D1G-T	T-1	5K/Tape & Reel, 13-inch		
D2G-T	T-1	5K/Tape & Reel, 13-inch		
D3G-T	T-1	5K/Tape & Reel, 13-inch		
D4G-T	T-1	5K/Tape & Reel, 13-inch		
D5G-T	T-1	5K/Tape & Reel, 13-inch		
D6G-T	T-1 5K/Tape & Reel, 13-ir			
D7G-T	T-1 5K/Tape & Reel, 13-inch			

Notes: 5. For packaging details, visit our website at http://www.diodes.com/datasheets/ap02008.pdf.

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