

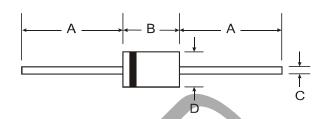
2A01G - 2A07G

Features

- Glass Passivated Die Construction
- High Current Capability and Low Forward Voltage Drop
- Surge Overload Rating to 65A Peak
- Lead Free Finish, RoHS Compliant (Note 3)

Mechanical Data

- Case: DO-15
- Case Material: Molded Plastic. UL Flammability Classification Rating 94V-0
- Moisture Sensitivity: Level 1 per J-STD-020C
- Terminals: Finish Tin. Solderable per MIL-STD-202, Method 208 @3
- Polarity: Cathode Band Marking: Type Number
- Weight: 0.4 grams (approximate)



DO-15						
Dim	Min	Max				
Α	25.40					
В	5.50	7.62				
С	0.686	0.889				
D	2.60	3.6				
All Dimensions in mm						

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

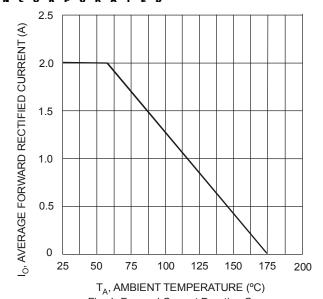
Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

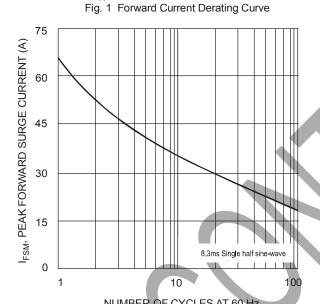
Characteristic		Symbol	2A01G	2A02G	2A03G	2A04G	2A05G	2A06G	2A07G	Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage		V _{RRM} V _{RWM} V _R	50	100	200	400	600	800	1000	\
RMS Reverse Voltage		V _{R(RMS)}	35	70	140	280	420	560	700	V
Average Rectified Output Current (Note 1)	@ T _A = 55°C	lo				2.0				Α
Non-Repetitive Peak Forward Surge (single half sine-wave superimposed o		I _{FSM}				65				Α
Forward Voltage	@ l _F = 2.0A	V _{FM}				1.1				V
Peak Reverse Current at Rated DC Blocking Voltage	@ T _A = 25°C @ T _A = 100°C	I _{RM}				5.0 200				μΑ
I ² t Rating For Fusing		l ² t				17.5				A ² s
Typical Total Capacitance (Note 2)		C _T				40				pF
Typical Thermal Resistance Junction to Ambient		$R_{\theta JA}$	60					°C/W		
Operating and Storage Temperature Range		T _{j,} T _{STG}	-65 to +175				°C			

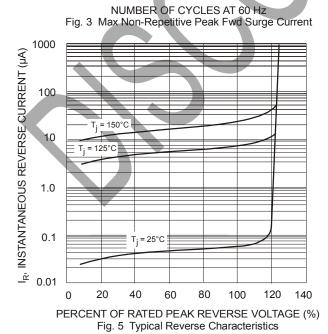
Valid provided that leads are maintained at ambient temperature at a distance of 9.5mm from the case.
Measured at 1.0MHz and applied reverse voltage of 4.0V DC.

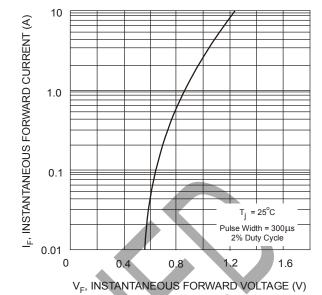
RoHS revision 13.2.2003. High temperature solder exemption applied, see EU Directive Annex Notes 5 and 7.

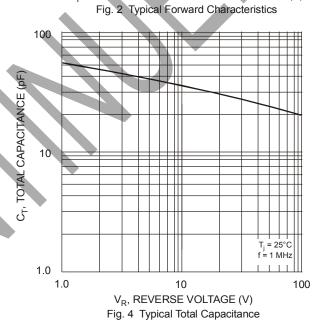














Ordering Information (Note 4)

Device	Packaging	Shipping			
2A01G-T	DO-15	4K/Tape & Reel, 13-inch			
2A02G-T	DO-15	4K/Tape & Reel, 13-inch			
2A03G-T	DO-15	4K/Tape & Reel, 13-inch			
2A04G-T	DO-15	4K/Tape & Reel, 13-inch			
2A05G-T	DO-15	4K/Tape & Reel, 13-inch			
2A06G-T	DO-15	4K/Tape & Reel, 13-inch			
2A07G-T	DO-15	4K/Tape & Reel, 13-inch			

Notes: 4. For packaging details, visit our website at http://www.diodes.com/datasheets/ap02008.pdf.

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