

**GLASS PASSIVATED RECTIFIERS**

REVERSE VOLTAGE - **50 to 1000** Volts  
 FORWARD CURRENT - **3.0** Amperes

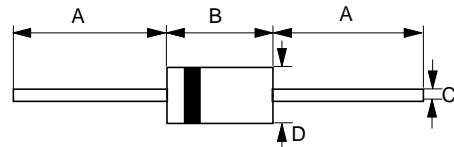
**FEATURES**

- Glass passivated chip
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Plastic material has UL flammability classification 94V-0

**MECHANICAL DATA**

- Case : JEDEC DO-201AD molded plastic
- Polarity : Color band denotes cathode
- Weight : 0.04 ounces, 1.1 grams
- Mounting position : Any

**DO-201AD**



DO-201AD		
Dim.	Min.	Max.
A	25.4	-
B	7.30	9.50
C	1.20	1.30
D	4.80	5.30
All Dimensions in millimeter		

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25°C ambient temperature unless otherwise specified.  
 Single phase, half wave, 60Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%

CHARACTERISTICS	SYMBOL	1N	1N	1N	1N	1N	1N	1N	1N	1N	UNIT
		5400G	5401G	5402G	5403G	5404G	5405G	5406G	5407G	5408G	
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	300	400	500	600	800	1000	V
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	210	280	350	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	300	400	500	600	800	1000	V
Maximum Average Forward Rectified Current @T <sub>A</sub> =55°C	I(AV)	3.0									A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load (JEDEC METHOD)	I <sub>FSM</sub>	125									A
Maximum forward Voltage at 3.0A DC	V <sub>F</sub>	1.1									V
Maximum DC Reverse Current at Rated DC Blocking Voltage @T <sub>J</sub> =25°C @T <sub>J</sub> =125°C	I <sub>R</sub>	5 100									uA
Typical Junction Capacitance (Note 1)	C <sub>J</sub>	40									pF
Typical Thermal Resistance (Note 2)	R <sub>θJA</sub>	15									°C/W
Typical Reverse Recovery Time (Note 3)	T <sub>RR</sub>	3									us
Operating and Storage Temperature Range	T <sub>J</sub> , T <sub>STG</sub>	-55 to +150									°C

NOTES : 1.Measured at 1.0MHz and applied reverse voltage of 4.0V DC.  
 2.Thermal Resistance Junction to Ambient.  
 3.Reverse and Recovery Test Conditions:IF=0.5A,IR=1A,IRR=0.25A.

Datasheet.Support

