

**ULTRA FAST  
GLASS PASSIVATED RECTIFIERS**

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

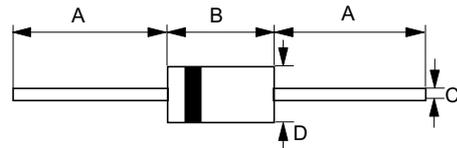
**FEATURES**

- Glass passivated chip
- Ultra fast switching for high efficiency
- Low reverse leakage current
- Low forward voltage drop
- High current capability
- Easily cleaned with Freon, Alcohol, Chloroethene and similar solvents
- 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, 1.2 grams
- Mounting position : Any

**DO-201AD**



DO-201AD		
Dim.	Min.	Max.
A	25.4	-
B	7.20	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	UF3001G	UF3002G	UF3003G	UF3004G	UF3005G	UF3006G	UF3007G	UNIT
Maximum Recurrent Peak Reverse Voltage	VRRM	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	VRMS	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	VDC	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @TA=55°C	IAV	3.0							A
Peak Forward Surge Current 8.3ms single half sine-wave super imposed on rated load(JEDEC Method)	IFSM	125							A
Maximum forward Voltage at 3.0A DC	VF	1.0		1.3		1.7		V	
Maximum DC Reverse Current at Rated DC Blocking Voltage @TJ=25°C @TJ=100°C	IR	5 100							uA
Maximum Reverse Recovery Time (Note 1)	TRR	50			75			ns	
Typical Junction Capacitance (Note 2)	CJ	30			15			pF	
Typical Thermal Resistance (Note 3)	RθJA	25							°C/W
Storage / Operating Temperature Range	TSTG, TJ	-55 to +150							°C

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

**RATING AND CHARACTERISTIC CURVES**

