

# RU4AG THRU RU4MG

## GLASS PASSIVATED FAST SWITCHING PLASTIC RECTIFIER

VOLTAGE:50 TO 1000V

CURRENT:3.5A

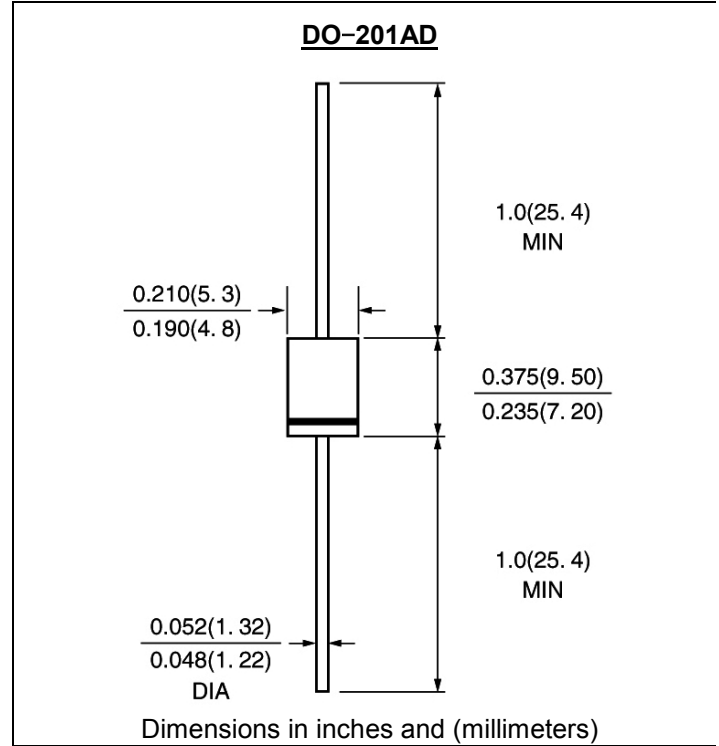


### FEATURE

High temperature metallurgically bonded construction  
 Sintered glass cavity free junction  
 Capability of meeting environmental standard of MIL-S-19500  
 High temperature soldering guaranteed  
 350°C /10sec/0.375"lead length at 5 lbs tension  
 Operate at Ta =55°C with no thermal run away  
 Typical Ir<0.2µA  
 Low power loss, high efficient

### MECHANICAL DATA

Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C  
 Case: Molder with UL-94 Class V-0 recognized Flame Retardant Epoxy  
 Polarity: Color band denotes cathode  
 Mounting position: any



### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

(single-phase, half-wave, 60HZ, resistive or inductive load rating at 25°C, unless otherwise stated)

	SYMBOL	RU4 AG	RU4 BG	RU4 DG	RU4 GG	RU4 JG	RU4 KG	RU4 MG	units	
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 3/8"lead length at Ta =35°C	If(av)	3.5			3.0			2.5	A	
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	120								A
Maximum Forward Voltage at Forward Current and 25°C	Vf	1.3 IF=3.5A			1.5		1.6		V	
		IF=3.0A								
Maximum full load reverse current full cycle average at 55°C Ambient	Ir(av)	100								µA
Maximum DC Reverse Current at rated DC blocking voltage	Ir	10								µA
		100								µA
Maximum Reverse Recovery Time (Note 1)	Trr	50				75				nS
Typical Junction Capacitance (Note 2)	Cj	17				15				pF
Typical Thermal Resistance (Note 3)	Rth(ja)	40				50				°C /W
Storage and Operating Temperature Range	Tstg, Tj	-55 to +150								°C

Note:

- Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

RATINGS AND CHARACTERISTIC CURVES RU4AG THRU RU4MG

