

RU4AGF THRU RU4MGF

**SINTERED GLASS JUNCTION
FAST SWITCHING PLASTIC RECTIFIER**
VOLTAGE:50 TO 1000V CURRENT:2.0A

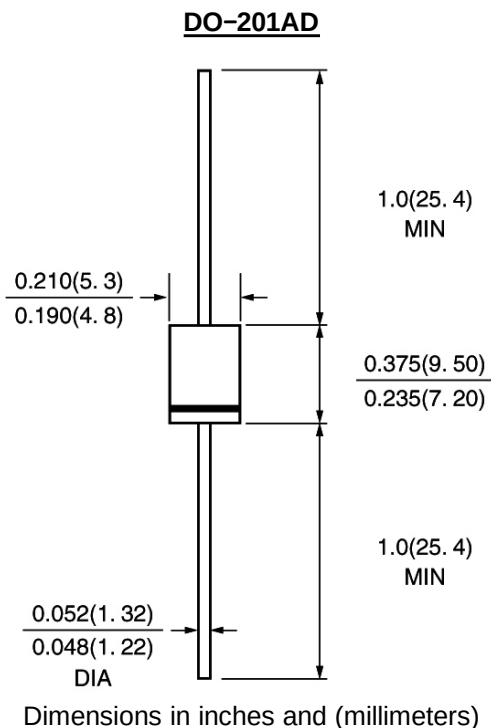


FEATURE

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: Molded 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	RU4A GF	RU4B GF	RU4D GF	RU4G GF	RU4J GF	RU4K GF	RU4M GF	unit s
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)	2.0(3.5)			1.5(3.0)			1.5(2.5)	A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	Ifsm	70			50				A
Maximum Forward Voltage at rated 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 Ta =25°C at rated DC blocking voltage Ta =125°C	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)	R(ja)	40				50			°C /W
Storage and Operating Temperature Range	Tstg, Tj	-65 to +175							°C

Note:

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

RATINGS AND CHARACTERISTIC CURVES RU4AGF THRU RU4MGF

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