

RU2AG THRU RU2MG

**FULTRAFAST EFFICIENT GLASS
PASSIVATED JUNCTION RECTIFIER**
VOLTAGE:50 TO 1000V CURRENT: 1.5A

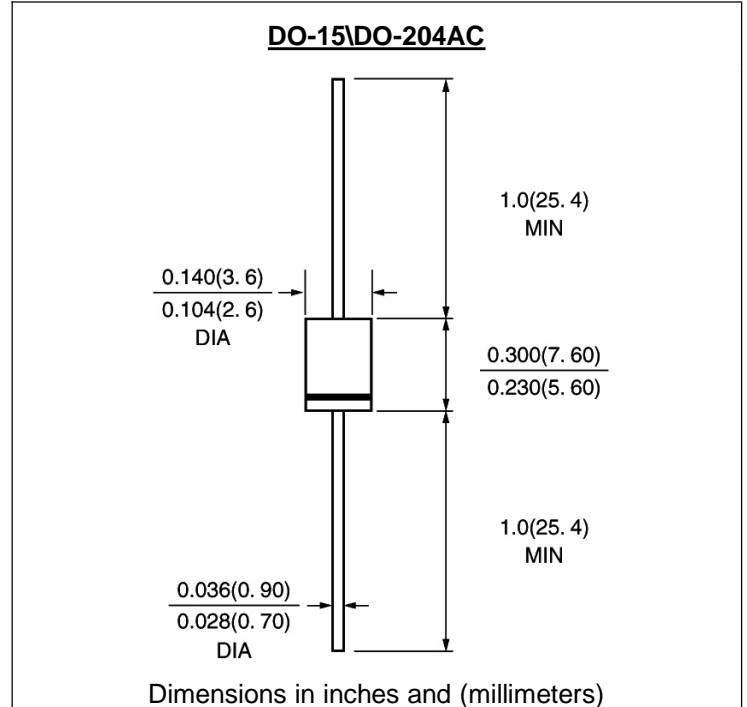


FEATURE

Molded case feature for auto insertion
High current capability
Low leakage current
High surge capability
High temperature soldering guaranteed
250°C /10sec/0.375" lead length at 5 lbs tension
Glass Passivated chip

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	RU2A G	RU2B G	RU2D G	RU2G G	RU2J G	RU2K G	RU2M G	units
Maximum Recurrent Peak Reverse Voltage	V _{rrm}	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V _{rms}	35	70	140	280	420	560	700	V
Maximum DC blocking Voltage	V _{dc}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current 3/8"lead length at Ta =55°C	I _{f(av)}	1.5							A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load	I _{fsm}	50							A
Maximum Forward Voltage at rated Forward Current and 25°C	V _f	1.1		1.4		1.7			V
Maximum full load reverse current full cycle average at 55°C Ambient	I _{r(av)}	100							μA
Maximum DC Reverse Current Ta =25°C at rated DC blocking voltage Ta =125°C	I _r	10 100							μA μA
Typical Reverse Recovery Time (Note 1)	T _{rr}	50				75			nS
Typical Junction Capacitance (Note 2)	C _j	40				50			pF
Typical Thermal Resistance (Note 3)	R(ja)	20							°C /W
Storage and Operating Temperature Range	T _{stg} , T _j	-50 to +150							°C

Note:

- Reverse Recovery Condition I_f =0.5A, I_r =1.0A, I_{rr} =0.25A
- Measured at 1.0 MHz and applied reverse voltage of 4.0V_{dc}
- Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

RATINGS AND CHARACTERISTIC CURVES RU2AG THRU RU2MG

