

RU2AG THRU RU2MG

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



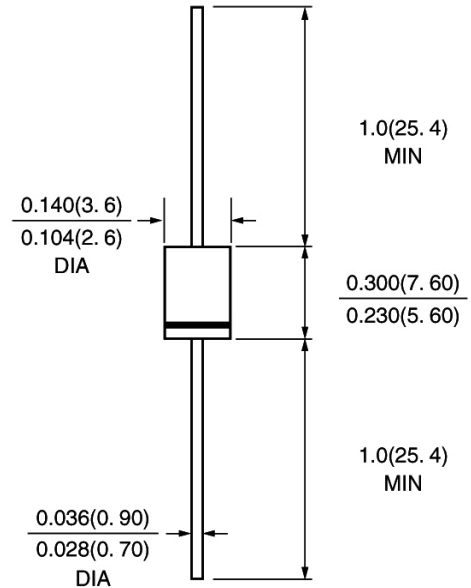
FEATURE

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

DO-15DO-204AC



Dimensions in inches and (millimeters)

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:

1. Reverse Recovery Condition I_f =0.5A, I_r =1.0A, I_{rr} =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 RU2AG THRU RU2MG

