RU1DGF

SINTERED GLASS JUNCTION FAST SWITCHING PLASTIC RECTIFIER VOLTAGE:600V CURRENT: 1.0A



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

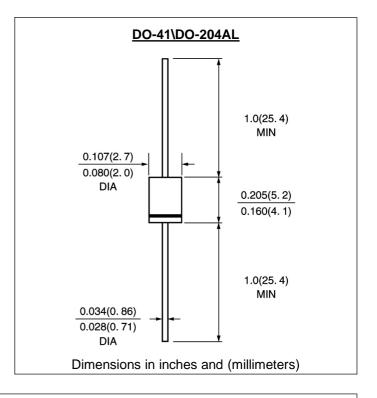
Terminal: Plated axial leads solderable per MIL-STD 202E, method 208C

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)

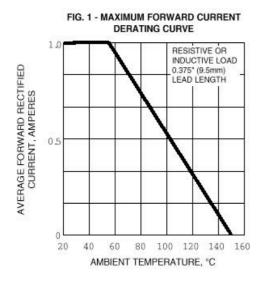
| SYMBOL | RU1DGF | units |
|----------|---|---|
| Vrrm | 600 | V |
| Vrms | 420 | V |
| Vdc | 600 | V |
| If(av) | 1.0 | А |
| Ifsm | 30 | А |
| Vf | 1.3 | V |
| Ir(av) | 50 | μΑ |
| Ir | 5 | μА |
| | 50 | |
| Trr | 75 | nS |
| Cj | 15 | pF |
| Rth(ja) | 60 | °C /W |
| Tstg, Tj | -65 to +175 | °C |
| | Vrrm Vrms Vdc If(av) Ifsm Vf Ir(av) Ir Trr Cj Rth(ja) | Vrrm 600 Vrms 420 Vdc 600 If(av) 1.0 Ifsm 30 Vf 1.3 Ir(av) 50 Ir 5 50 75 Cj 15 Rth(ja) 60 |

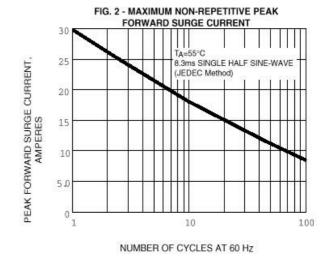
Note:

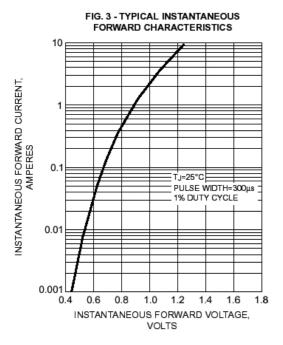
- 1. Reverse Recovery Condition If =0.5A, Ir =1.0A, Irr =0.25A
- 2. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc
- 3. Thermal Resistance from Junction to Ambient at 3/8"lead length, P.C. Board Mounted

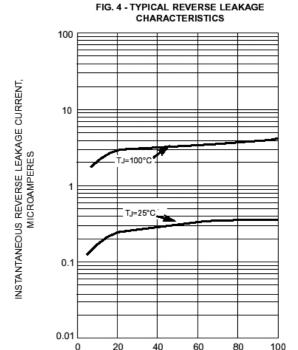
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RATINGS AND CHARACTERISTIC CURVES RU1DGF



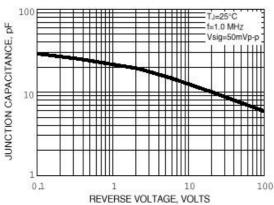






PERCENT OF RATED PEAK REVERSE VOLTAGE,





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