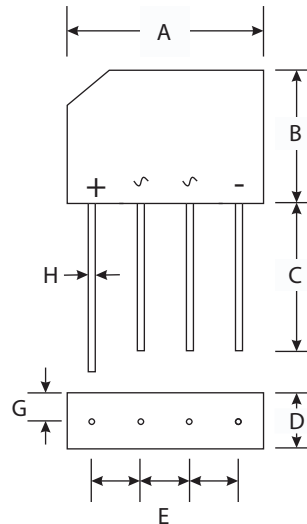


Features

- Glass Passivated Die Construction
- High Case Dielectric Strength of 1500V_{RMS}
- Low Reverse Leakage Current
- Surge Overload Rating to 65A Peak
- Ideal for Printed Circuit Board Applications
- Plastic Material - UL Flammability Classification 94V-0



| RS | | |
|----------------------|--------------|-------|
| Dim | Min | Max |
| A | 15.50 | 16.00 |
| B | 10.00 | 10.50 |
| C | 15.00 | — |
| D | 3.70 | 4.00 |
| E | 2.50 | 3.00 |
| G | 2.30 | 2.50 |
| H | 0.70 Typical | |
| All Dimensions in mm | | |

Mechanical Data

- Case : Molded Plastic
- Terminals : Plated Leads, Solderable per MIL-STD-202, Method 208
- Polarity : As Marked on Body
- Approx. Weight : 1.52 grams
- Mounting Position : Any
- Marking : Type Number

Maximum Ratings And Electrical Characteristics

(Ratings at 25 °C ambient temperature unless otherwise specified, Single phase, half wave 60Hz, resistive or inductive load. For capacitive load, derate by 20%)

| | Symbols | RS 201 | RS 202 | RS 203 | RS 204 | RS 205 | RS 206 | RS 207 | Units |
|--|--|-------------|--------|--------|--------|--------|--------|--------|-------|
| Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Blocking Voltage | V _{RMM} V _{RWM} V _R | 50 | 100 | 200 | 400 | 600 | 800 | 1000 | Volts |
| RMS Reverse Voltage | V _{R(RMS)} | 35 | 70 | 140 | 280 | 420 | 560 | 700 | Volts |
| Average Rectified Output Current @ T _c = 50 °C | I _o | 2.0 | | | | | | | Amps |
| Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load per element (JEDEC method) | I _{FSM} | 50 | | | | | | | Amps |
| Forward Voltage (per element) @ I _F = 1.0 A | V _{FM} | 1.0 | | | | | | | Volts |
| Peak Reverse Current at Rated DC Blocking Voltage | @ T _c = 25 °C | 10.0 | | | | | | | μA |
| | @ T _c = 100 °C | 1000 | | | | | | | |
| Typical Junction Capacitance per Element (Note 2) | C _j | 25 | | | | | | | pF |
| Typical Thermal Resistance (Note 1) | R _{θJC} | 38 | | | | | | | °C/W |
| Operating and Storage Temperature Range | T _j T _{STG} | -55 to +150 | | | | | | | °C |

Notes:

- (1) Thermal resistance from junction to case per element. Unit mounted on 75 x 75 x 16mm aluminum plate heat sink.
- (2) Measured at 1.0MHz and Applied Reverse Voltage of 4.0V DC.

RATING AND CHARACTERISTIC CURVES RS201 THRU RS207

