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RS201 THRU RS207

Features

- Any Mounting Position
- Surge Rating Of 60 Amps
- Low Forward Voltage Drop

Maximum Ratings

- Operating Junction Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C

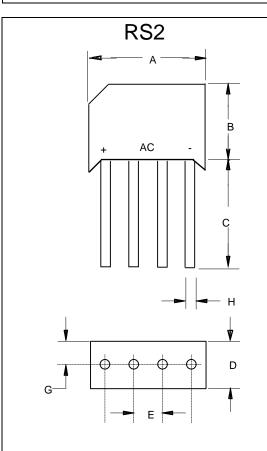
| | Davidad | Marriagnus | Mandana | Marriagnes |
|---------|---------|------------|---------|------------|
| | Device | Maximum | Maximum | Maximum |
| Catalog | Marking | Recurrent | RMS | DC |
| Number | | Peak | Voltage | Blocking |
| | | Reverse | | Voltage |
| | | Voltage | | |
| RS201 | RS201 | 50V | 35V | 50V |
| RS202 | RS202 | 100V | 70V | 100V |
| RS203 | RS203 | 200V | 140V | 200V |
| RS204 | RS204 | 400V | 280V | 400V |
| RS205 | RS205 | 600V | 420V | 600V |
| RS206 | RS206 | 800V | 560V | 800V |
| RS207 | RS207 | 1000V | 700V | 1000V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| Average Forward Current | I _{F(AV)} | 2.0A | $T_C = 25^{\circ}C$ |
|---|--------------------|---------------|---|
| Peak Forward Surge | I _{FSM} | 50A | 8.3ms, half sine |
| Maximum Forward Voltage Drop Per Element | V _F | 1.1V | $I_{FM} = 1.0A \text{ per}$ element; $T_A = 25^{\circ}\text{C}^{*}$ |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I _R | 10μA 1.0mA | T _J = 25°C T _J = 100°C |

^{*}Pulse test: Pulse width 300 µsec, Duty cycle 1%

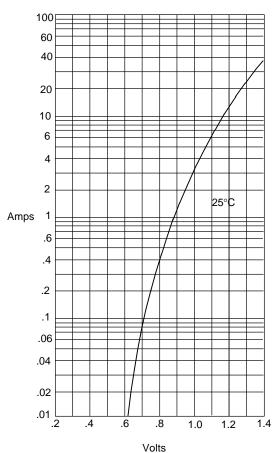
2 Amp Single Phase Bridge Rectifier 50 to 1000 Volts



| DIMENSIONS | | | | | | | | |
|------------|--------|------|-------|-------|---------|--|--|--|
| | INCHES | | MM | | | | | |
| DIM | MIN | MAX | MIN | MAX | NOTE | | | |
| Α | | .693 | | 17.60 | | | | |
| В | | .531 | | 13.50 | | | | |
| С | .600 | | 15.20 | | | | | |
| D | .230 | .250 | 5.84 | 6.40 | | | | |
| Е | .142 | .161 | 3.60 | 4.10 | 3PL/TYP | | | |
| G | .118 | .130 | 3.10 | 3.30 | | | | |
| Н | .030 | .032 | 0.76 | 0.81 | Ø | | | |

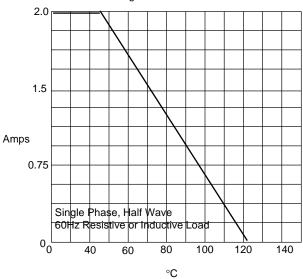
RS201 thru RS207

Figure 1 Typical Forward Characteristics



Instantaneous Forward Current - Amperesversus Instantaneous Forward Voltage - Volts

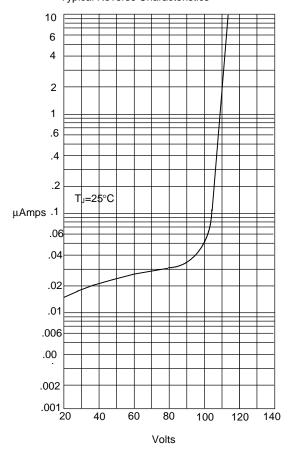
Figure 3
Forward Derating Curve



Average Forward Rectified Current - Amperes/ersus Ambient Temperature - $^{\circ}$ C

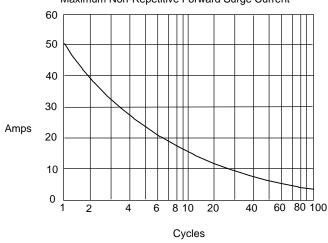


Figure 2
Typical Reverse Characteristics



Instantaneous Reverse Leakage Current - MicroAmperesversus Percent Of Rated Peak Reverse Voltage - Volts

Figure 4
Maximum Non-Repetitive Forward Surge Current



Peak Forward Surge Current - Amperesversus Number Of Cycles At 60Hz - Cycles