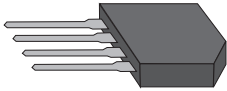


# RS201M THRU RS207M



SINGLE PHASE 2.0 AMP BRIDGE RECTIFIERS



## FEATURES

- \* Ideal for printed circuit board
- \* Low forward voltage
- \* Low leakage current
- \* Polarity: marked on body
- \* Mounting position: Any
- \* Weight: 1.52 grams

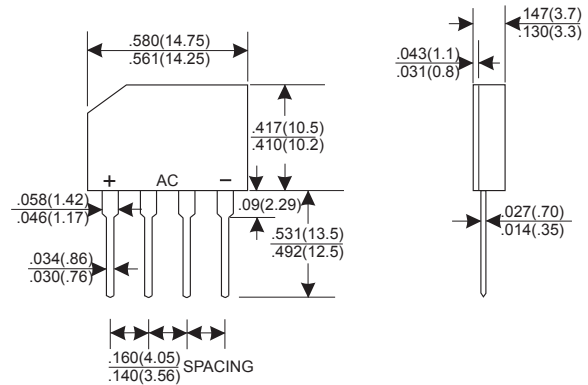
## VOLTAGE RANGE

50 to 1000 Volts

## CURRENT

2.0 Amperes

### RS-2M



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

| TYPE NUMBER  | RS201M | RS202M | RS203M | RS204M | RS205M | RS206M | RS207M | UNITS      |    |
|--|--------|--------|--------|--------|--------|--------|--------|------------|----|
| Maximum Recurrent Peak Reverse Voltage   | 50     | 100    | 200    | 400    | 600    | 800    | 1000   | V          |    |
| Maximum RMS Voltage  | 35     | 70     | 140    | 280    | 420    | 560    | 700    | V          |    |
| Maximum DC Blocking Voltage  | 50     | 100    | 200    | 400    | 600    | 800    | 1000   | V          |    |
| Maximum Average Forward Rectified Current  |        |        |        |        |        |        |        |            |    |
| .375"(9.5mm) Lead Length at Ta=85°C  |        |        |        |        |        |        |        | 2.0        | A  |
| Peak Forward Surge Current, 8.3 ms single half sine-wave superimposed on rated load (JEDEC method) |        |        |        |        |        |        |        | 50         | A  |
| Maximum Forward Voltage Drop per Bridge Element at 2.0A D.C.                                       |        |        |        |        |        |        |        | 1.1        | V  |
| Maximum DC Reverse Current Ta=25°C   |        |        |        |        |        |        |        | 5          | μA |
| at Rated DC Blocking Voltage Ta=125°C  |        |        |        |        |        |        |        | 500        | μA |
| Operating Temperature Range, Tj  |        |        |        |        |        |        |        | -65 — +150 | °C |
| Storage Temperature Range, Tstg  |        |        |        |        |        |        |        | -65 — +150 | °C |

## RATING AND CHARACTERISTIC CURVES (RS201M THRU RS207M)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE

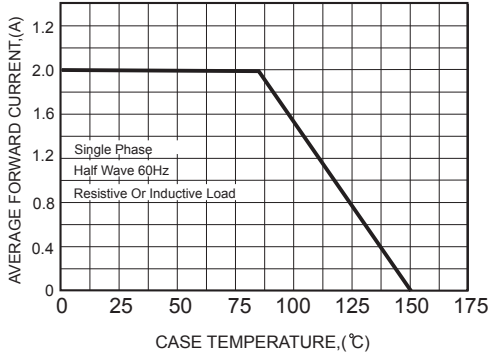


FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

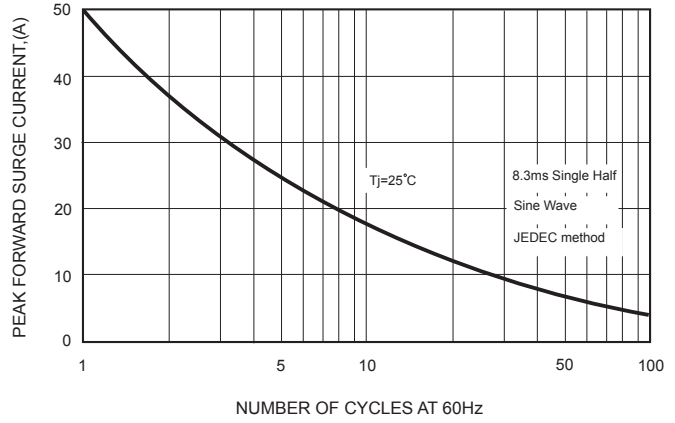


FIG.3-TYPICAL FORWARD CHARACTERISTICS

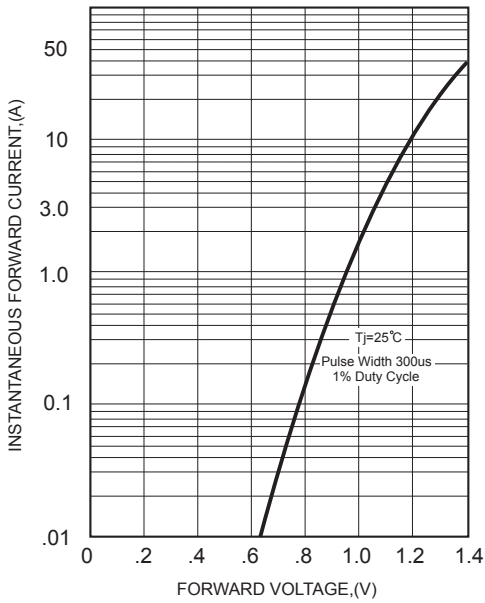


FIG.4-TYPICAL REVERSE CHARACTERISTICS

