

# RS201 THRU RS207

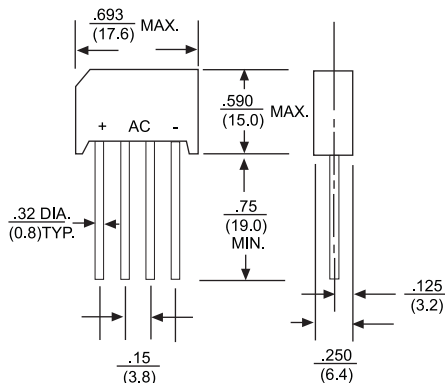
**SINGLE PHASE 2.0AMPS.  
SILICON BRIDGE  
RECTIFIERS**

**Voltage Range  
50 to 1000 Volts  
Current  
2.0 Amperes**

## FEATURES

- UL Recognized File # E-230084
- Surge overload rating - 50 amperes peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting Position: Any

## RS-2



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating at 25°C ambient temperature unless otherwise specified.  
Resistive or inductive load 50Hz.  
For capacitive load, derate current by 20%

Type Number		RS201	RS202	RS203	RS204	RS205	RS206	RS207	UNITS
Maximum Repetitive Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Current @T <sub>A</sub> =50°C	I <sub>F(AV)</sub>	2.0							A
Peak Forward Surge Current, 8.3ms single half sine-wave super imposed on rated load	I <sub>FSM</sub>	50.0							A
Maximum Instantaneous Forward Voltage Drop Per Leg @ 2.0A	V <sub>F</sub>	1.1							V
Maximum Reverse Current at Rated DC Blocking Voltage per Element	I <sub>R</sub>	10.0 1.0							uA mA
Operating Temperature Range	T <sub>J</sub>	-55 to +125							°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150							°C

# RATING AND CHARACTERISTIC CURVES RS201 THRU RS207

FIG.1 - DERATING CURVE  
OUTPUT RECTIFIED CURRENT

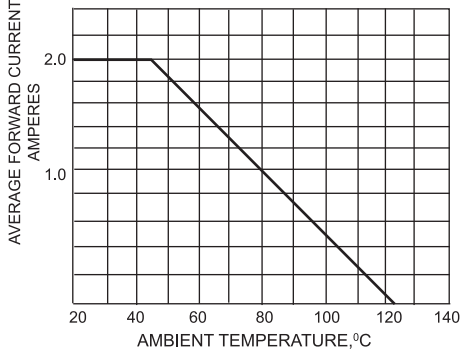


FIG.2 - TYPICAL FORWARD  
CHARACTERISTICS

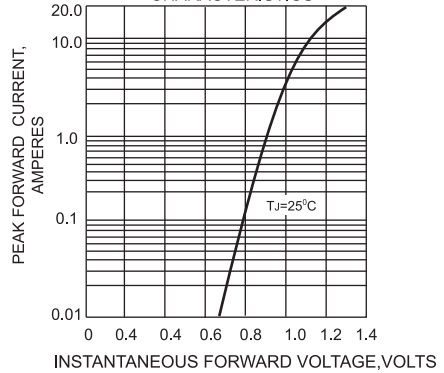


FIG.3-TYPICAL FORWARD  
CHARACTERISTICS

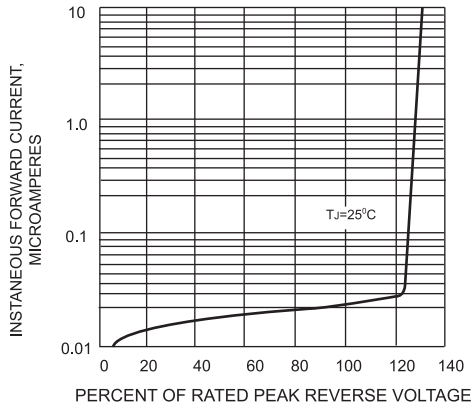


FIG.4-MAXIMUM FORWARD SURGE CURRENT

