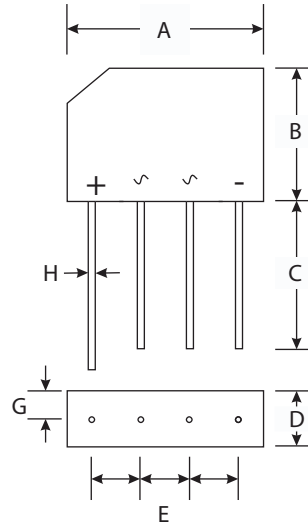


## RS201 THRU RS207

CURRENT 2.0 Amperes  
VOLTAGE 50 to 1000 Volts

### Features

- Glass Passivated Die Construction
- High Case Dielectric Strength of 1500V<sub>RMS</sub>
- 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	V <sub>RMM</sub>	50	100	200	400	600	800	1000	Volts
Working Peak Reverse Voltage	V <sub>RWM</sub>								
DC Blocking Voltage	V <sub>R</sub>								
RMS Reverse Voltage	V <sub>R(RMS)</sub>	35	70	140	280	420	560	700	Volts
Average Rectified Output Current @ T <sub>c</sub> = 50 °C	I <sub>o</sub>	2.0							Amps
Non-Repetitive Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load per element (JEDEC method)	I <sub>FSM</sub>	50							Amps
Forward Voltage (per element) @ I <sub>F</sub> = 1.0 A	V <sub>FM</sub>	1.0							Volts
Peak Reverse Current at Rated DC Blocking Voltage	@ T <sub>c</sub> = 25 °C	10.0							μA
	@ T <sub>c</sub> = 100 °C	1000							
Typical Junction Capacitance per Element (Note 2)	C <sub>j</sub>	25							pF
Typical Thermal Resistance (Note 1)	R <sub>θJC</sub>	38							°C/W
Operating and Storage Temperature Range	T <sub>j</sub> T <sub>STG</sub>	-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

