

RS201 THRU RS207

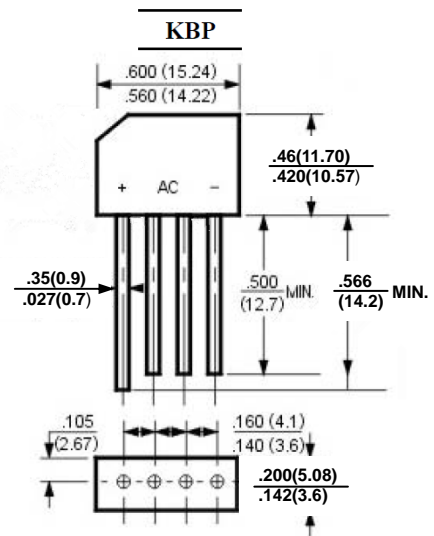
Single-Phase Silicon Bridges

Reverse Voltage - 50 to 1000 V

Forward Current - 2.0 A

Features

- Surge overload rating -50 A peak
- Ideal for printed circuit board
- Plastic material has Underwriters Laboratory Flammability Classification 94V-0
- Mounting position: Any
- Lead: Silver plated copper lead



Dimensions in inches and (millimeters)

Absolute Maximum Ratings and Characteristics

Ratings at $T_a = 25^\circ\text{C}$ ambient temperature unless otherwise specified. Resistive or inductive load, 60Hz.
For capacitive load, derate current by 20%

Parameter	Symbols	RS201	RS202	RS203	RS204	RS205	RS206	RS207	Units
	Marking	RS201	RS202	RS203	RS204	RS205	RS206	RS207	-
Maximum Repetitive Peak Reverse Voltage	V_{RRM}	50	100	200	400	600	800	1000	V
Maximum RMS Bridge Input Voltage	V_{RMS}	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	400	600	800	1000	V
Maximum Average Forward Rectified Output Current at $T_a = 50^\circ\text{C}$	$I_{F(AV)}$	2							A
Peak forward surge current 8.3mS single half sine-wave superimposed on rated load	I_{FSM}	50							A
Maximum forward voltage drop per bridge element at 1A peak	V_F	1.1							V
Maximum DC reverse current at rated DC blocking voltage per element	I_R	10							μA
Maximum DC reverse current at rated DC blocking voltage per element $T_a = 100^\circ\text{C}$		1							mA
Operating temperature range	T_J	-55 to +125							$^\circ\text{C}$
Storage temperature range	T_{Stg}	-55 to +150							$^\circ\text{C}$

