



SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER VOLTAGE RANGE 50 to 1000 Volts CURRENT 2.0 Amperes

- FEATURES
- * Ideal for printed circuit board* Surge overload rating: 50 amperes peak
- * Weight: 2.74 grams
- * Mounting position: Any

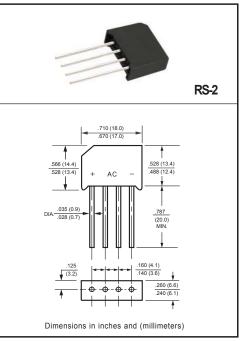
MECHANICAL DATA

* Epoxy: Device has UL flammability classification 94V-O * UL listed the recognized component directory,file #94233

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 ^C ambient temperature unless otherwise specified.

Single phase, half wave, 60 Hz, resistive or inductive load.



MAXIMUM RATINGS (@ TA=25 °C unless otherwise noted)

For capacitive load, derate current by 20%.

RATINGS	SYMBOL	RS201	RS202	RS203	RS204	RS205	RS206	RS207	UNITS
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	50	100	200	400	600	800	1000	Volts
Maximum RMS Voltage	V _{RMS}	35	70	140	280	420	560	700	Volts
Maximum DC Blocking Voltage	V _{DC}	50	100	200	400	600	800	1000	Volts
Maximum Average Forward Rectified Current at T _A = 50°C	IO	2.0							Amps
Peak Forward Surge Current 8.3 ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	50							Amps
Typical Thermal Resistance (Note 1)	$R_{\theta JC}$	15							°C/W
	$R_{\theta JA}$	40							
Typical Junction Capacitance (Note 3)	CJ	15						pF	
Operating and Storage Temperature Range	Tj, Tstg	-55 to + 150						۰C	

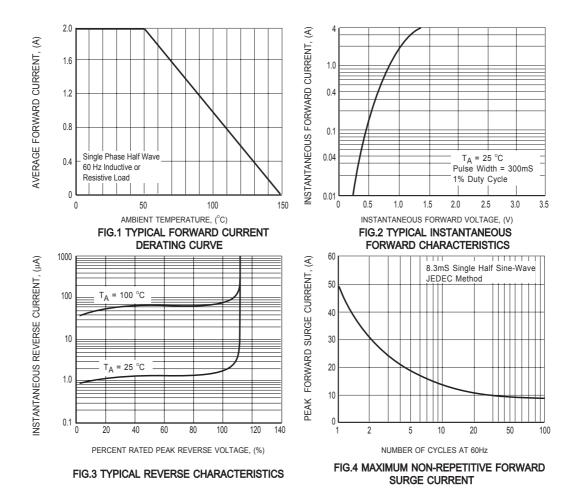
ELECTRICAL CHARACTERISTICS(@TA=25 °C unless otherwise noted)

CHARACTERISTICS		SYMBOL	RS201	RS202	RS203	RS204	RS205	RS206	RS207	UNITS
Maximum Instantaneous Forward Voltage at 2.0A DC		VF	1.1						Volts	
	@T _A = 25°C	l _R	5.0							μAmps
	@T _A = 100°C		100							

 ${\sf NOTES}: \ \ 1. \ {\sf Thermal \ Resistance}: \ {\sf Heat-sink \ case \ mounted \ or \ if \ \ {\sf PCB \ mounted}.}$

"Fully ROHS compliant", "100% Sn plating (Pb-free)".
Measureed at 1MHz and applied reverse voltage of 4.0 volts.

2007-3





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