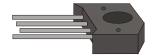
# **RS801 THRU RS807**



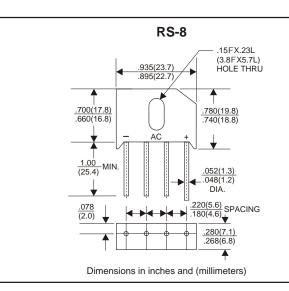
### SINGLE PHASE 8.0 AMP BRIDGE RECTIFIERS



### **FEATURES**

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

### VOLTAGE RANGE 50 to 1000 Volts CURRENT 8.0 Amperes



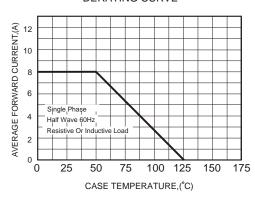
### MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

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

TYPE NUMBER	RS801	RS802	RS803	RS804	RS805	RS806	RS807	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 Tc=50°C	8.0							Α
Peak Forward Surge Current, 8.3 ms single half sine-wave								
superimposed on rated load (JEDEC method)	250					Α		
Maximum Forward Voltage Drop per Bridge Element at 8.0A D.C.	1.1						V	
Maximum DC Reverse Current Ta=25°C	10						mA	
at Rated DC Blocking Voltage Ta=100°C	200							mA
Operating Temperature Range, TJ	-65 — +125						°C	
Storage Temperature Range, Tsrc	-65 —+150							°C

#### RATING AND CHARACTERISTIC CURVES (RS801 THRU RS807)

FIG.1-TYPICAL FORWARD CURRENT DERATING CURVE



## FIG.2-MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

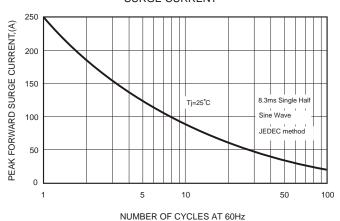


FIG.3-TYPICAL FORWARD

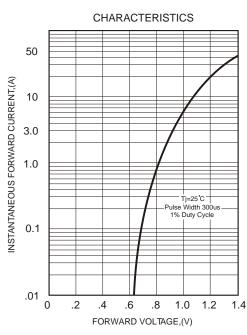


FIG.4-TYPICAL REVERSE

