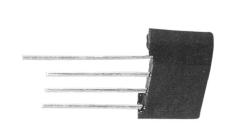
RS101 thru RS107 SERIES

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER

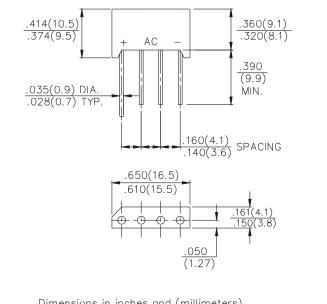




FEATURES

- Low cost
- Low leakage
- Low forward voltage Mounting position: Any
- · Weight: 1.26grams

VOLTAGE RANGE 50 TO 1000 VOLTS **CURRENT** 1.0 Amperes



Dimensions in inches and (millimeters)

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 current by 20%.

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

wise floteu/								
RATINGS		RS102	RS103	RS104	RS105	RS106	RS107	UNITS
V_{RRM}	50	100	200	400	600	800	1000	٧
V _{RMS}	35	70	140	280	420	560	700	٧
V _{DC}	50	100	200	400	600	800	1000	٧
Io	1.0							А
I _{FSM}	30						A	
T _J	-55 to +125							°C
T _{STG}	-55 to +150							°C
	V _{RMS} V _{DC} I _O I _{FSM}	RS101 V _{RM} 50 V _{RMS} 35 V _{DC} 50 I _O I _{FSM}	RS101 RS102 V _{RRM} 50 100 V _{RMS} 35 70 V _{DC} 50 100 I _O I _{FSM}	RS101 RS102 RS103 V _{RRM} 50 100 200 V _{RMS} 35 70 140 V _{DC} 50 100 200 I _O I _{FSM}	RS101 RS102 RS103 RS104 V _{RRM} 50 100 200 400 V _{RMS} 35 70 140 280 V _{DC} 50 100 200 400 I _O 1.0 I _{FSM} 30	RS101 RS102 RS103 RS104 RS105 V _{RRM} 50 100 200 400 600 V _{RMS} 35 70 140 280 420 V _{DC} 50 100 200 400 600 I _O 1.0 I _{FSM} 30 -55 to +125	RS101 RS102 RS103 RS104 RS105 RS106 V _{RRM} 50 100 200 400 600 800 V _{RMS} 35 70 140 280 420 560 V _{DC} 50 100 200 400 600 800 I _O 1.0 I _{FSM} 30	RS101 RS102 RS103 RS104 RS105 RS106 RS107 V _{RRM} 50 100 200 400 600 800 1000 V _{RMS} 35 70 140 280 420 560 700 V _{DC} 50 100 200 400 600 800 1000 I _O 1.0 I _{FSM} 30

ELECTRICAL CHARACTERISTICS (At Ta=25°C unless otherwise noted)

CHARACTERISTICS			RS101	RS102	RS103	RS104	RS105	RS106	RS107	UNITS
Maximum Forward Voltage Drop per element of 1.0A DC V_F		1.0							٧	
Maximum Reverse Current at Rated DC Blocking Voltage per element	@ T _A =25°C	I _R	10						μ A	
	@ T _A =100°C		1							mA

RS101 thru RS107 SERIES

SINGLE-PHASE GLASS PASSIVATED SILICON BRIDGE RECTIFIER



RATING AND CHARACTERISTICS CURVES RS101 THRU RS107

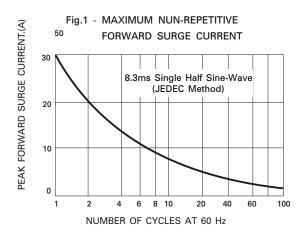


Fig.2 - TYPICAL FORWARD CURRENT DERATING CURVE

1.0

1.0

8

1.0

4

Single Phase Half Wave 60Hz Inductive or Resistive Load

AMBIENT TEMPERATURE, (°C)

Fig.3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

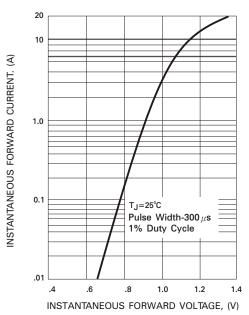


Fig.4 - TYPICAL REVERSE CHARACTERISTICS

