



Micro Commercial Components

Micro Commercial Components
20736 Marilla Street Chatsworth
CA 91311

Phone: (818) 701-4933

Fax: (818) 701-4939

RS101 THRU RS107

Features

- Low cost
- Low Leakage
- Low Forward Voltage
- Any Mounting Position
- Weight : 1.26 grams
- UL Recognized File # E165989

Maximum Ratings

- Operating Temperature: -55°C to +125°C
- Storage Temperature: -55°C to +150°C

Microsemi Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RS101	RS101	50V	35V	50V
RS102	RS102	100V	70V	100V
RS103	RS103	200V	140V	200V
RS104	RS104	400V	280V	400V
RS105	RS105	600V	420V	600V
RS106	RS106	800V	560V	800V
RS107	RS107	1000V	700V	1000V

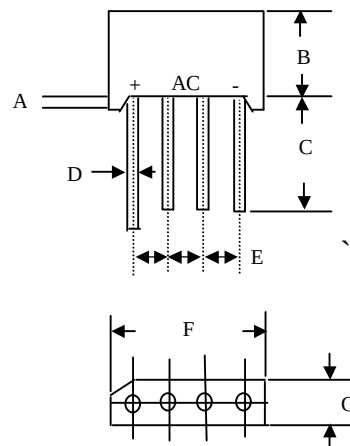
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	1 A	$T_C = 50^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	30A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 1.0\text{A};$ $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	10μA 1mA	$T_J = 25^\circ\text{C}$ $T_J = 100^\circ\text{C}$

*Pulse test: Pulse width 300 μsec, Duty cycle 1%

1 Amp Single Phase Glass Passivated Bridge Rectifier 50 to 1000 Volts

RS-1



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.040	.060	1.00	1.50	
B	.320	.358	8.10	9.10	
C	.390	---	9.90	---	
D	.028	.035	0.70	0.90	TYP
E	.150	.161	3.60	4.10	
F	.610	.650	15.50	17.20	
G	.146	.161	3.70	4.10	

RS101 THRU RS107

•M•C•C•

Micro Commercial Components

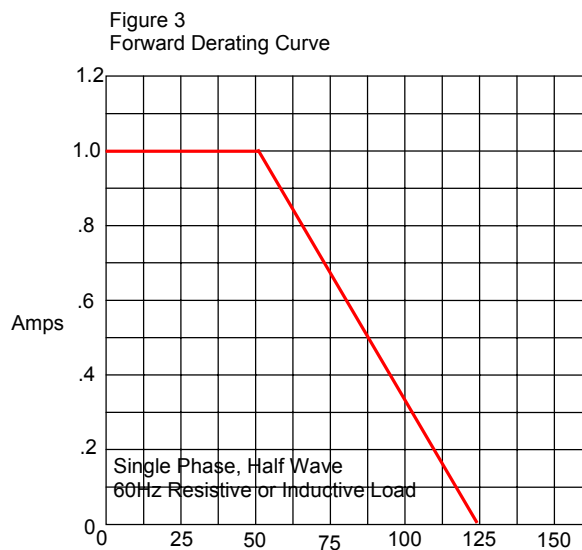
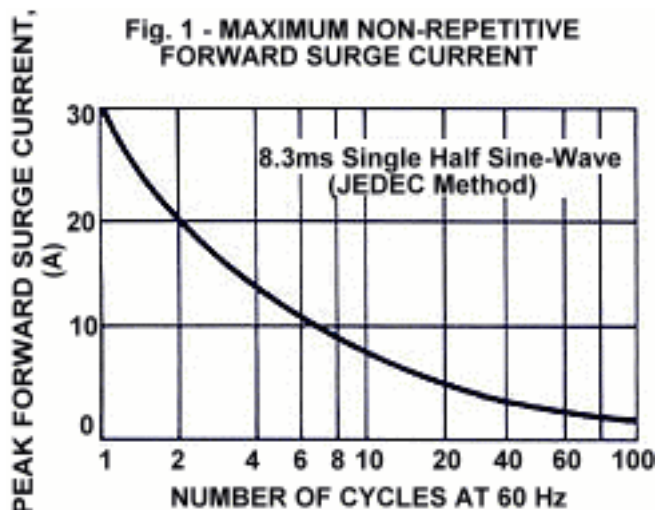


Fig. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

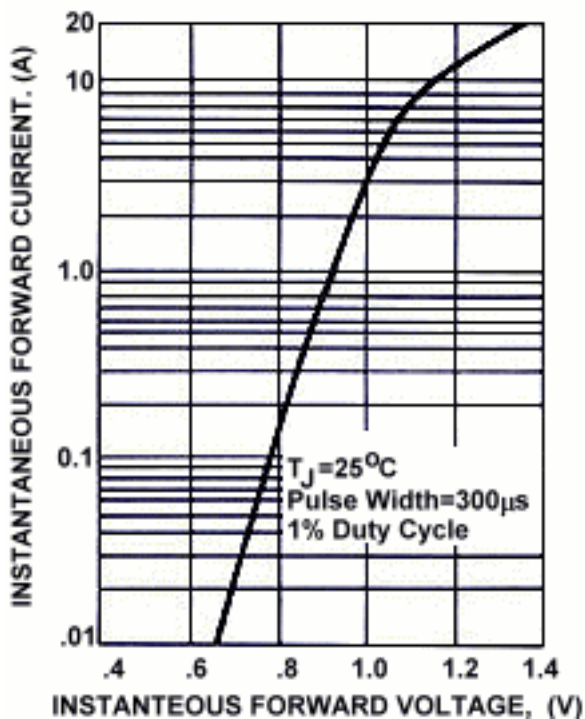


Fig. 4 - TYPICAL REVERSE CHARACTERISTICS

