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RS401M THRU RS407M

Features

- Ideal for printed circuit board
- Surge overload rating: 120amperes peak
- Mounting position: Any

Maximum Ratings

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

MCC Catalog Number	Device Marking	Maximum Recurrent Peak Reverse Voltage	Maximum RMS Voltage	Maximum DC Blocking Voltage
RS401M	RS401M	50V	35V	50V
RS402M	RS402M	100V	70V	100V
RS403M	RS403M	200V	140V	200V
RS404M	RS404M	400V	280V	400V
RS405M	RS405M	600V	420V	600V
RS406M	RS406M	800V	560V	800V
RS407M	RS407M	1000V	700V	1000V

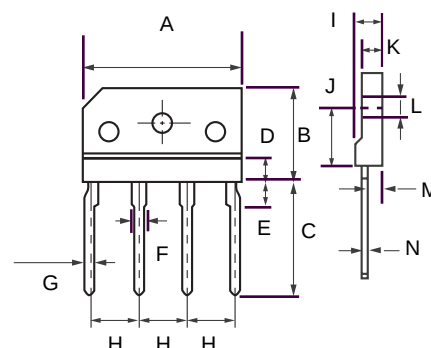
Electrical Characteristics @ 25°C Unless Otherwise Specified

Average Forward Current	$I_{F(AV)}$	4 A	$T_C = 115^\circ\text{C}$
Peak Forward Surge Current	I_{FSM}	120 A	8.3ms, half sine
Maximum Forward Voltage Drop Per Element	V_F	1.0V	$I_{FM} = 2.0\text{A};$ $T_J = 25^\circ\text{C}^*$
Maximum DC Reverse Current At Rated DC Blocking Voltage	I_R	5 μA 500 μA	$T_J = 25^\circ\text{C}$ $T_J = 125^\circ\text{C}$
Typical Junction Capacitance	C_J	40 pF	Measured at 1.0MHz, $V_R=4.0\text{V}$

*Pulse Test: Pulse Width 300 μsec , Duty Cycle 1%

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

RS-4M



DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	.917	.992	23.30	25.20	
B	.578	.600	14.70	15.30	
C	.677	.700	17.20	17.80	
D	.154	.161	3.90	4.10	
E	.130	.145	3.30	3.70	
F	.060	.075	1.50	1.90	
G	.035	.043	0.90	1.10	
H	.287	.303	7.30	7.70	
I	.173	.189	4.40	4.80	
J	.366	.382	9.30	9.70	
K	.134	.150	3.40	3.80	
L	.122	.134	3.10	3.40	
M	.098	.114	2.50	2.90	
N	.024	.043	0.60	1.10	

RATING AND CHARACTERISTIC CURVES

RS401M THRU RS407M

FIG. 1 - MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT

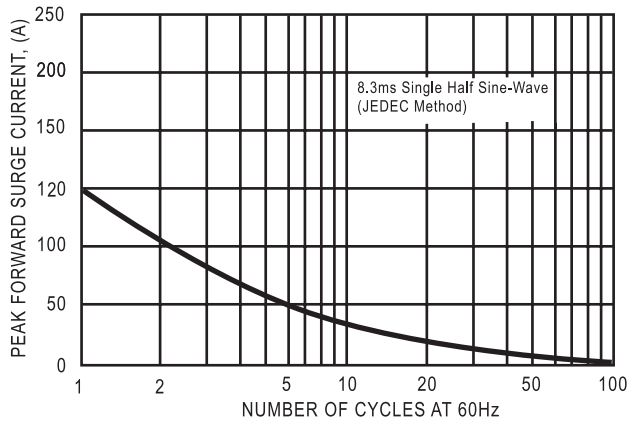


FIG. 2 - TYPICAL FORWARD CURRENT DERATING CURVE

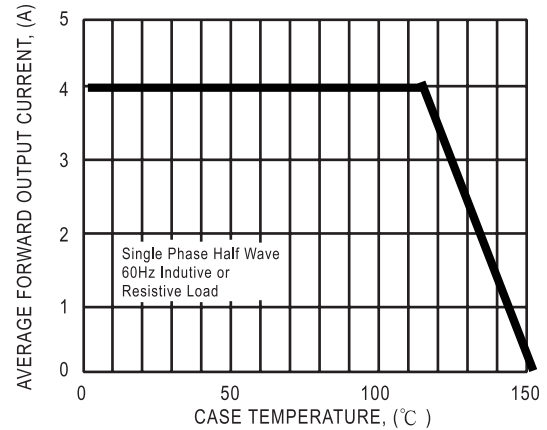


FIG. 3 - TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

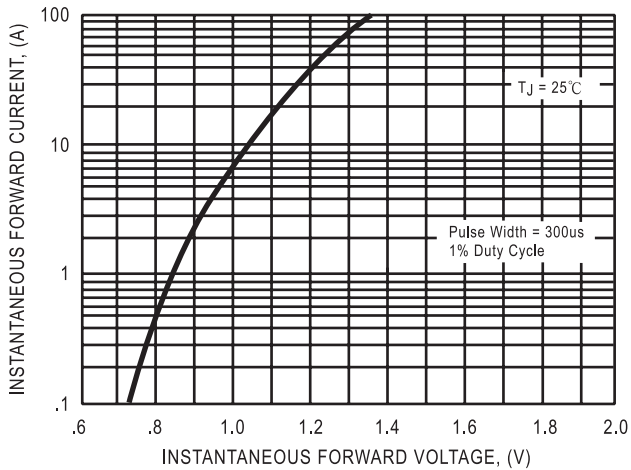


FIG. 4 - TYPICAL REVERSE CHARACTERISTICS

