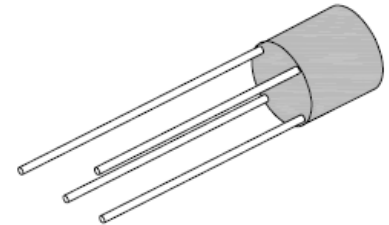


## 2.0A Bridge Rectifiers

### Features

- Low reverse leakage current
- High forward surge current capability
- Ideal for printed circuit board
- High temperature soldering guaranteed:  
260°C/10 seconds, 0.375" (9.5mm) lead length, 5 lbs (2.3kg) tension
- This series is UL recognized under component index, File number E194718
- RoHS compliant



2W0M



### Mechanical Data

<b>Case:</b>	Molded plastic body
<b>Terminals:</b>	Lead solderable per MIL-STD-202E, Method 208C
<b>Polarity:</b>	As marked on case
<b>Weight:</b>	0.05 ounce, 1.42 gram

### Maximum Ratings And Electrical Characteristics (T<sub>amb</sub>=25°C)

Symbols	Parameter	2W 005M	2W 01M	2W 02M	2W 04M	2W 06M	2W 08M	2W 10M	Unit	Conditions
<b>V<sub>RRM</sub></b>	Maximum Repetitive Peak Reverse Voltage	50	100	200	400	600	800	1000	V	
<b>V<sub>RMS</sub></b>	Maximum RMS Voltage	35	70	140	280	420	560	700	V	
<b>V<sub>DC</sub></b>	Maximum DC Blocking Voltage	50	100	200	400	600	800	1000	V	
<b>I<sub>F(AV)</sub></b>	Maximum Average Forward Rectified Current	2.0							A	TA=50°C
<b>I<sub>FSM</sub></b>	Peak Forward Surge Current	50							A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
<b>V<sub>F</sub></b>	Maximum Instantaneous Forward Voltage Drop per leg	1.1							V	I <sub>F</sub> =2.0A
<b>I<sub>R</sub></b>	Maximum DC Reverse Current at Rated DC Blocking Voltage per leg	5.0							µA	TA=25°C
		500								TA=100°C
<b>I<sub>t</sub></b>	Rating for Fusing (1ms<t<8.3ms)	10							A <sup>2</sup> S	

## 2.0A Bridge Rectifiers

### 2W005M - 2W10M

Symbols	Parameter	2W005M	2W01M	2W02M	2W04M	2W06M	2W08M	2W10M	Unit	Conditions
<b>C<sub>J</sub></b>	Typical Junction Capacitance	15							pF	V <sub>R</sub> =4V, f=1MHz
<b>R<sub>θJA</sub></b>	Typical Thermal Resistance per leg	40							°C/W	Note 1
<b>T<sub>J</sub></b>	Operating Temperature Range	-55 to +125							V	
<b>T<sub>STG</sub></b>	Storage Temperature Range	-55 to +150							°C	

- Note:** 1. Unit mounted on P.C. board with 0.22 x 0.22" (5.5 x 5.5mm) copper pads, .375" (9.5mm) lead length.  
 2. Single Phase, half wave, 60Hz, resistive or inductive load.  
 For capacitive load, derate current by 20%.

### Rating and characteristic curves

Fig.1- Derating Curve Output Rectified Current

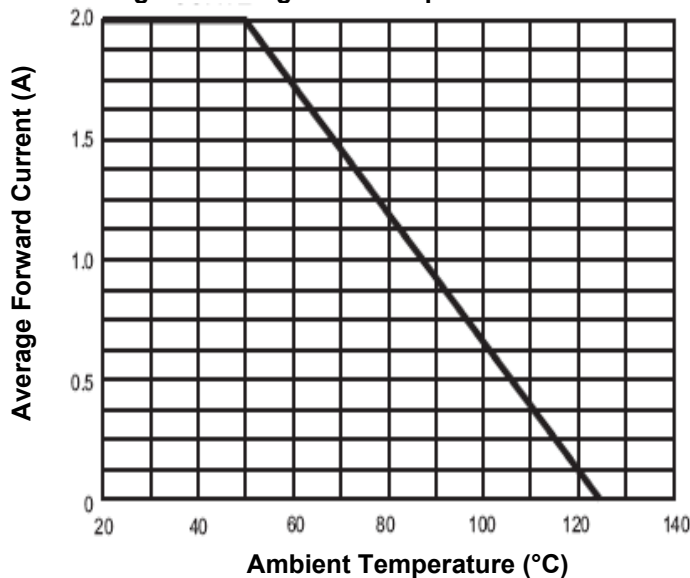
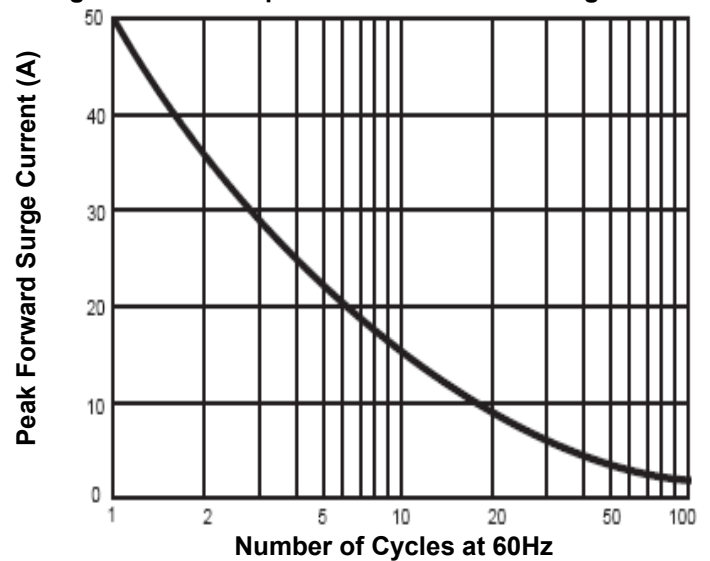


Fig.2-Max Non-Repetitive Peak Forward Surge Current



## 2.0A Bridge Rectifiers

### 2W005M - 2W10M

Fig.3- Typical Instantaneous Forward Characteristics, per leg

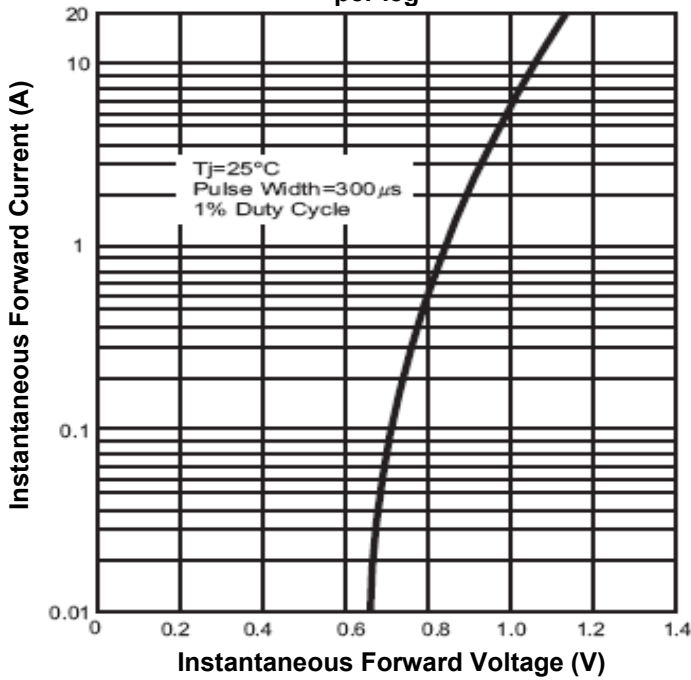


Fig.4-Typical Reverse Leakage Characteristics per leg

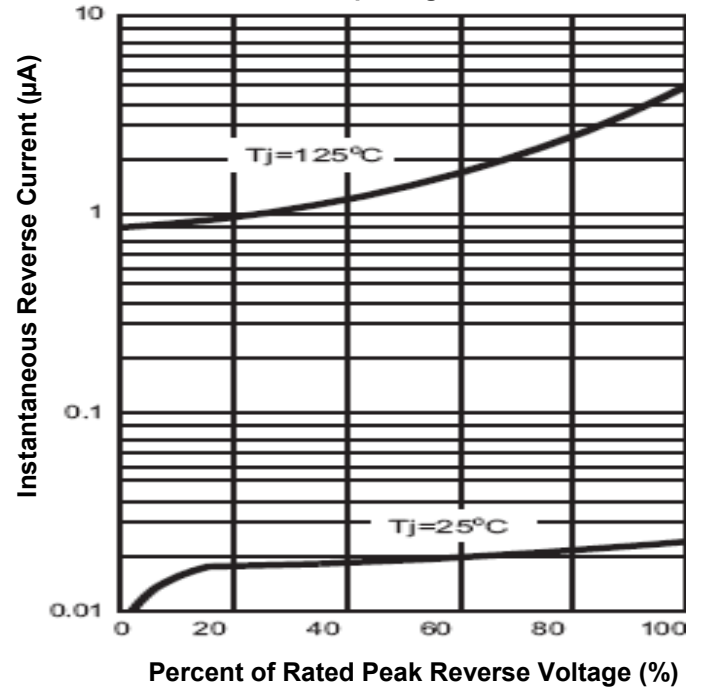
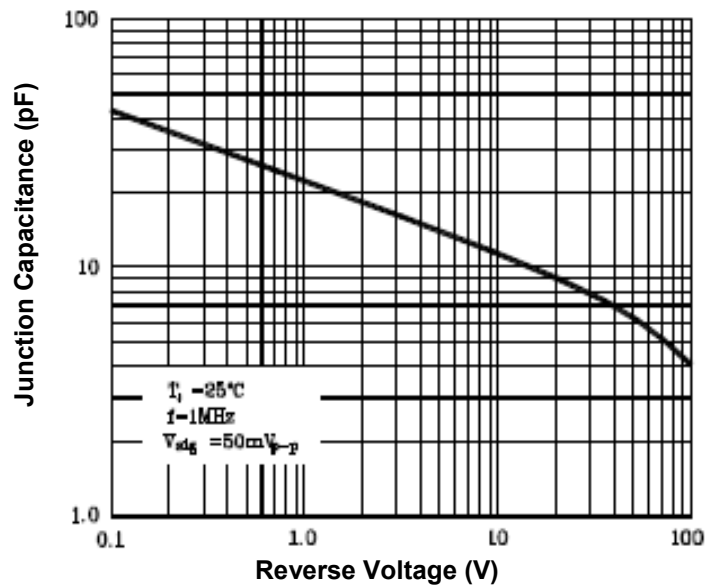


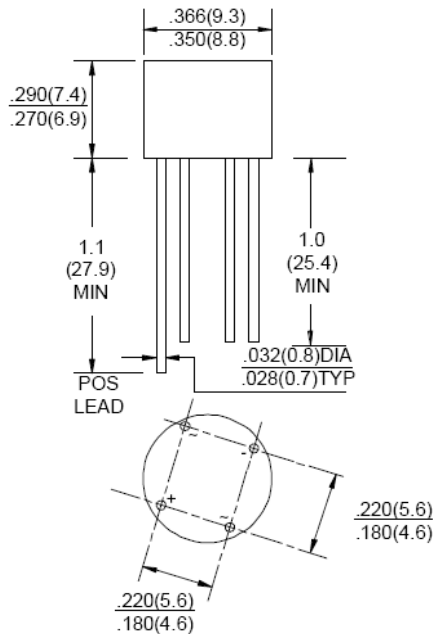
Fig.5-Typical Junction Capacitance per leg



## 2.0A Bridge Rectifiers

### 2W005M - 2W10M

#### Dimensions in inch (mm)



#### How to contact us

#### 2W0M

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