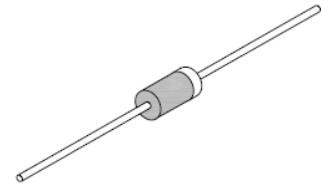


## 1.5A Glass Passivated Rectifiers

### Features

- Glass passivated chip junction
- Low forward voltage drop
- Low reverse leakage
- High forward surge current capability
- High temperature soldering guaranteed: 260°C/10 seconds  
/.0375" (9.5mm) lead length, 5lbs (2.3kg) tension
- RoHS compliance



DO-15



### Mechanical Data

<b>Case:</b>	DO-15 molded plastic body
<b>Epoxy:</b>	Plastic package has UL flammability classification 94V-0
<b>Terminals:</b>	Plated axial leads, solderable per MIL-STD-202E, Method 208C
<b>Polarity:</b>	Color band denotes cathode end
<b>Weight:</b>	0.015 ounces, 0.4 gram

### Maximum Ratings and Electrical Characteristics ( $T_A=25^\circ\text{C}$ unless noted otherwise)

Symbol	Description	1N5391G	1N5392G	1N5393G	1N5395G	1N5397G	1N5398G	1N5399G	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	1.5							A	0.375" (9.5mm) lead length at $T_A=75^\circ\text{C}$
<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	1.1							V	$I_F=1.5\text{ A}$

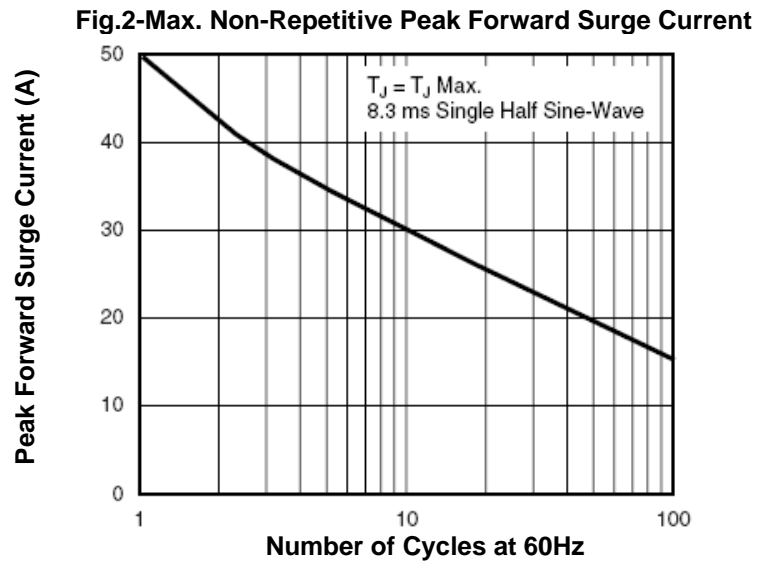
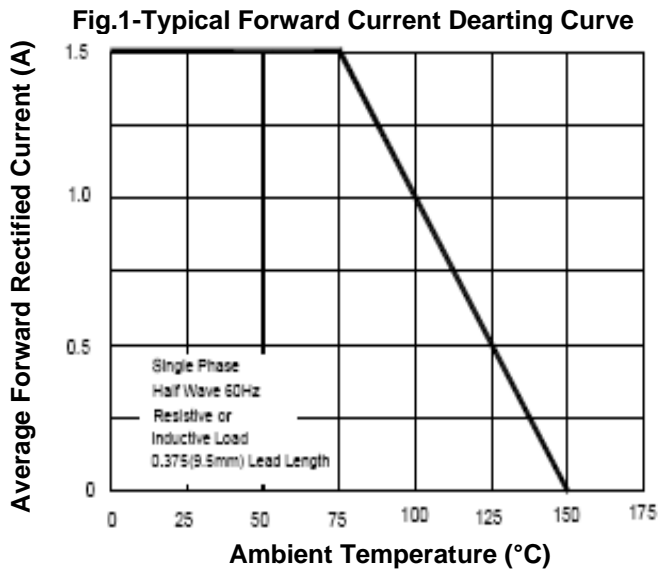
# 1.5A Glass Passivated Rectifiers

## 1N5391G - 1N5399G

Symbol	Description	1N5391G	1N5392G	1N5393G	1N5395G	1N5397G	1N5398G	1N5399G	Unit	Conditions
<b>I<sub>R</sub></b>	Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0							μA	TA=25° C
		50								TA=125° C
<b>C<sub>J</sub></b>	Typical Junction Capacitance	20							pF	VR=4V, f=1MHz
<b>R<sub>thJA</sub></b>	Typical Thermal Resistance	50							° C/W	Note
<b>T<sub>J</sub>, T<sub>STG</sub></b>	Operating Junction and Storage Temperature Range	-55 to +150							° C	

**Note:** Thermal resistance from junction to ambient at 0.375”(9.5mm) lead length, P.C. board mounted.

### Typical Characteristics Curves



# 1.5A Glass Passivated Rectifiers

## 1N5391G - 1N5399G

Fig.3- Typical Forward Characteristics

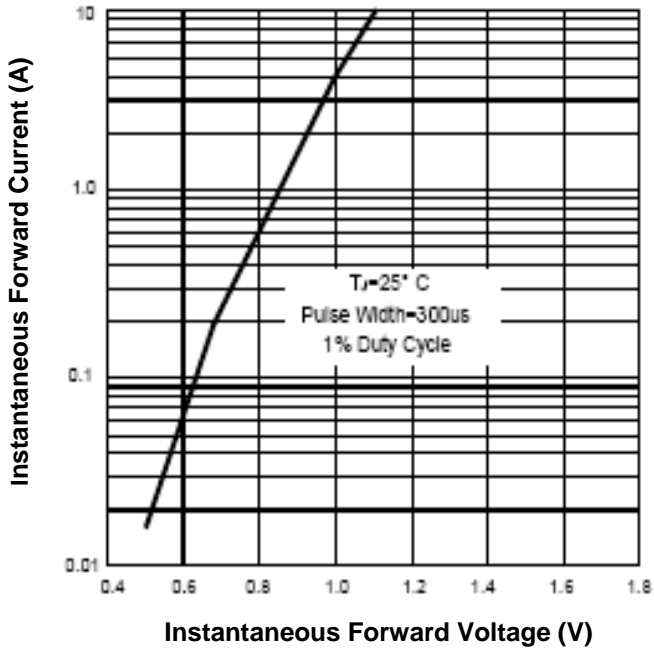


Fig.4-Typical Reverse Leakage Characteristics

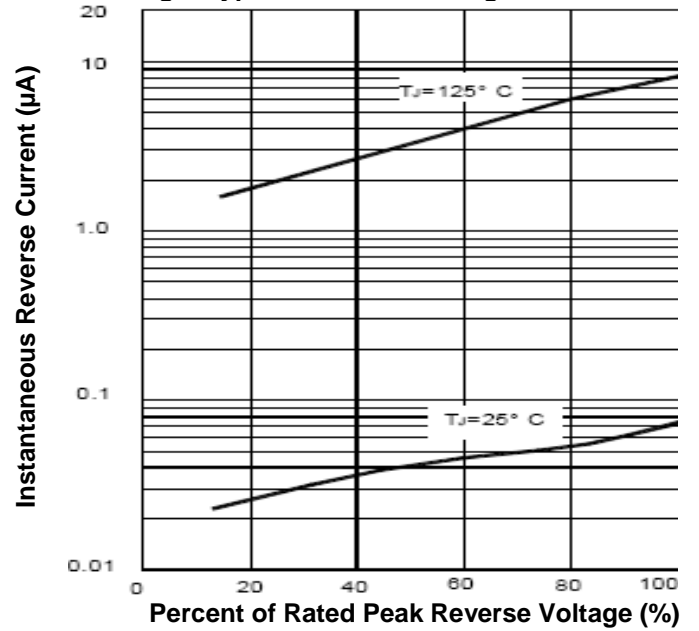
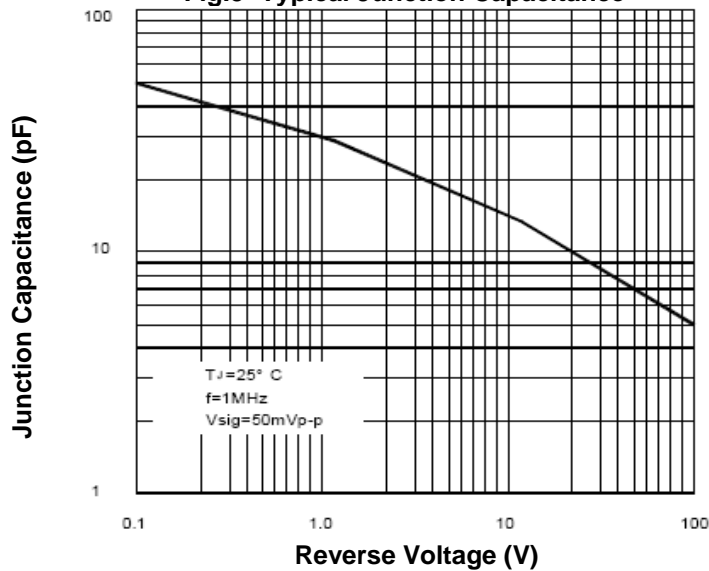


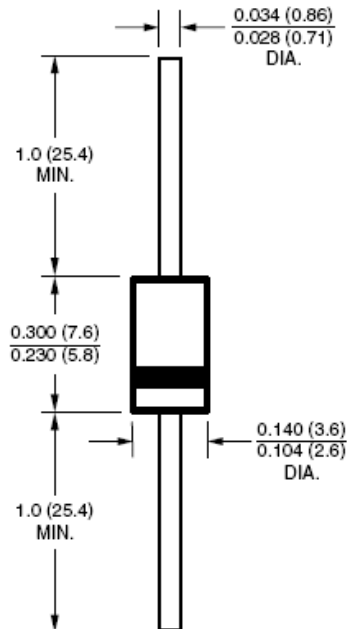
Fig.5- Typical Junction Capacitance



# 1.5A Glass Passivated Rectifiers

1N5391G - 1N5399G

## Dimensions in inches (mm)



DO-15

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