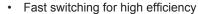
# Fast Recovery Glass Passivated Rectifier



#### **Features**



- · Low cost
- · Diffused junction
- · Low reverse leakage current
- Low forward voltage drop
- · High current capability
- The plastic material carries UL recognition 94V-0

#### **Mechanical Data**

Case : JEDEC DO-15 molded plastic
Polarity : Colour band denotes cathode
Weight : 0.015 ounces, 0.4 grams

Mounting Position : Any
Reverse Voltage : 1000 Volts
Forward Current : 2 Ampere

### **Maximum Ratings and Electrical Characteristics:**

Rating at 25°C ambient temperature unless otherwise specified.

Single phase, half wave, 60Hz, resistive or inductive load.

For capacitive load, derate current by 20%.

Characteristics	Symbol	Values	Unit
Max. Recurrent Peak Reverse Voltage	VRRM	1000	V
Max. RMS Voltage	VRMS	700	V
Max. DC Blocking Voltage	VDC	1000	V
Max. Average Forward Rectified Current @T <sub>A</sub> = 75°C	I(AV)	2	А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	Ігѕм	60	А
Peak Forward Voltage at 2A DC	VF	1.3	V
Maximum DC Reverse Current @TJ = 25°C at Rated DC Blocking Voltage @TJ = 100°C	lR	5 100	μA
Maximum Reverse Recovery Time (Note 1)	Trr	500	nS
Typical Junction Capacitance (Note 2)	Сл	20	pF
Typical Thermal Resistance (Note 3)	Reja	25	°C/W
Operating Temperature Range	TJ	-55 to +150	°C
Storage Temperature Range	Тѕтс	-55 to +150	°C

Notes: 1. Measured with IF = 0.5A, IR = 1A, IRR = 0.25A

- 2. Measured at 1MHz and applied reverse voltage of 4V DC
- 3. Thermal resistance junction to ambient.
- 4. The typical data above is for reference only

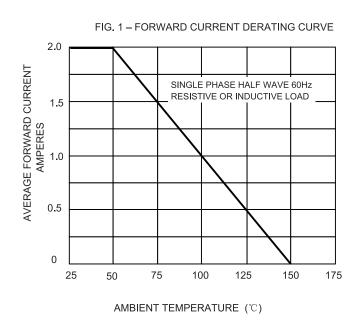
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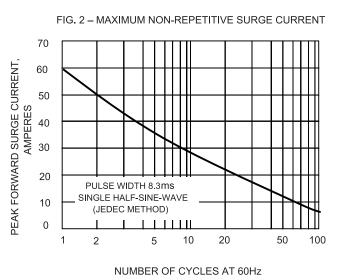


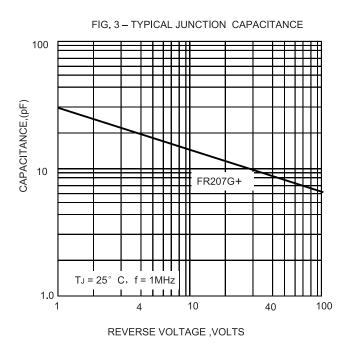
# Fast Recovery Glass Passivated Rectifier

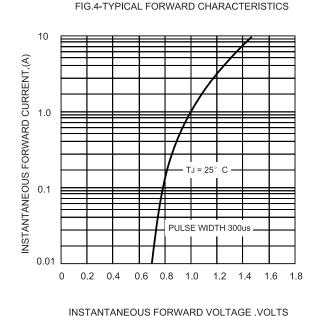


### **Ratings and Characteristic Curves**









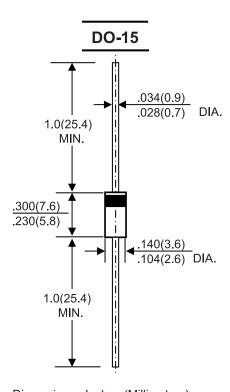
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# Fast Recovery Glass Passivated Rectifier



### **Dimensions:**



Dimensions : Inches (Millimetres)

### **Part Number Table**

Description	Part Number
Fast Recovery Glass Passivated Rectifier	FR207G+

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