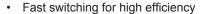
## Fast Recovery Rectifier



### **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-27 molded plastic
Polarity : Colour band denotes cathode
Weight : 0.04 ounces, 1.1 grams

Mounting Position : Any

Reverse Voltage : 600 to 1000 Volts Forward Current : 3 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	FR305+	FR307+	Unit
Max. Recurrent Peak Reverse Voltage	VRRM	600	1000	V
Max. RMS Voltage	VRMS	420	700	V
Max. DC Blocking Voltage	VDC	600	1000	V
Max. Average Forward Rectified Current @TA = 75°C	I(AV)	3		А
Peak Forward Surge Current 8.3ms Single Half Sine-Wave Super Imposed on Rated Load (JEDEC Method)	Ігѕм	150		A
Peak Forward Voltage at 3A DC	VF	1.3		V
Maximum DC Reverse Current @ T <sub>J</sub> = 25°C Rated DC Blocking Voltage @ T <sub>J</sub> = 100°C	lR	5 100		μА
Maximum Reverse Recovery Time (Note 1)	Trr	250	500	nS
Typical Junction Capacitance (Note 2)	CJ	40		pF
Typical Thermal Resistance (Note 3)	Reja	15		°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

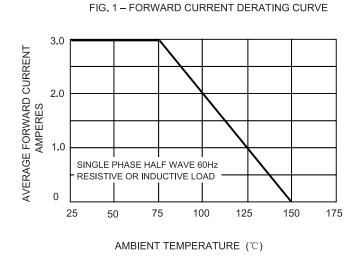
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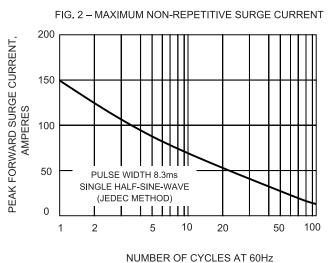


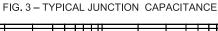
# Fast Recovery Rectifier multicomp

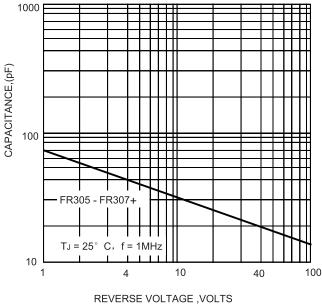


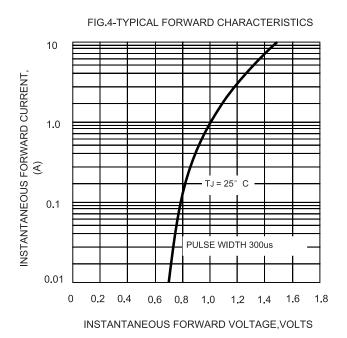
### **Ratings and Characteristic Curves**











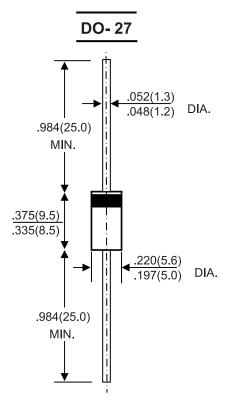
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# Fast Recovery Rectifier



### **Dimensions:**



Dimensions: Inches (Millimetres)

### **Part Number Table**

Description	Part Number	
Fact Bosovery Bootifiers	FR305+	
Fast Recovery Rectifiers	FR307+	

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