

### **Fast Recovery Rectifiers**

Reverse Voltage - 50 to 1000 V Forward Current - 10 A

#### **Features**

- ♦The plastic package carries Underwriters Laboratory Flammability Classification 94V-0
- ♦Glass passivated junction chip
- ♦Low profile package
- High forward surge current capability
- ♦High temperature soldering guaranteed 260 C/10 seconds at terminals

### **Mechanical Data**

♦Case: R-6

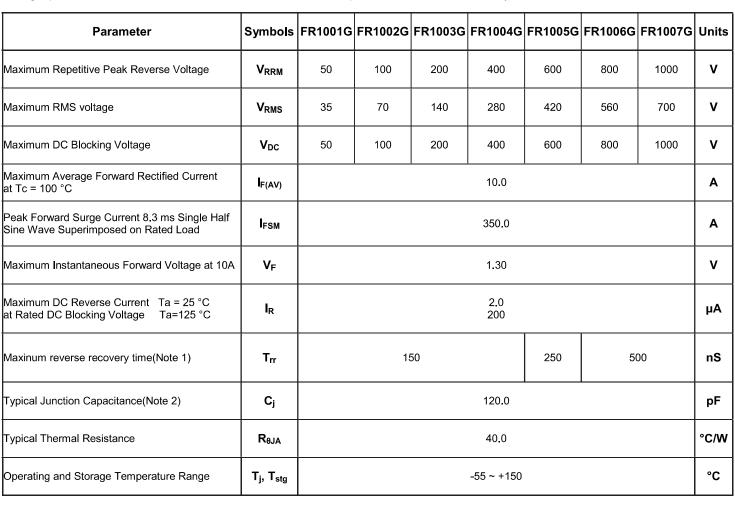
♦Terminals: Solderable per MIL-STD-750, Method 2026

♦Approx. Weight: 2.05g / 0.072oz

# Maximum Ratings and Electrical characteristics

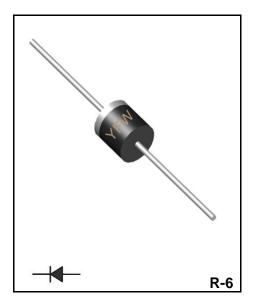
Ratings at 25 °C ambient temperature unless otherwise specified.

Single phase half-wave 60 Hz, resistive or inductive load, for capacitive load current derate by 20 %.



Note:1,Reverse recovery time test condition: IF=0.5A IR=1.0A Irr=0.25A

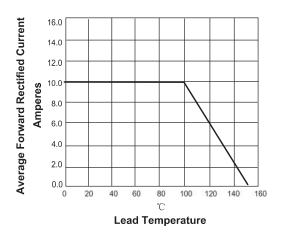
2.Measured at 1MHz and applied reverse voltage of 4.0V D.C





### **Ratings and Characteristic Curves**

FIG. 1- DERATING CURVE OUTPUT RECTIFIED CURRENT



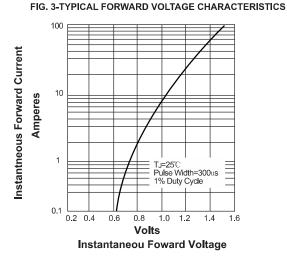


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT PERLEG

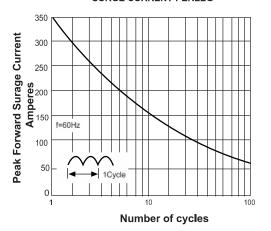
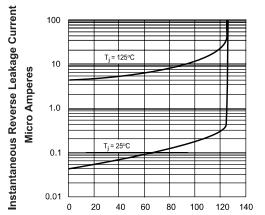


FIG. 4-TYPICAL REVERSE LEAKAGE CHARACTERISTICS



Percent Of Rated Peak Reverse Voltage(%)



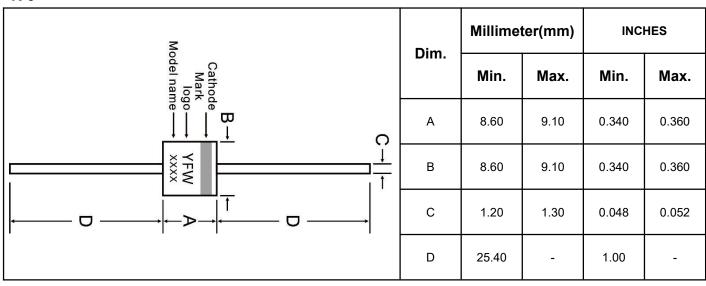
# FR1001G THRU FR1007G R-6

### **Ordering information**

Package	Packing Description	Packing Quantity
R-6	bulk	100PCS/Inner Box 5000PCS/Carton
	ammo pack	500PCS/Box 5000PCS/Carton

### **Package Dimensions**

### R-6





# **Disclaimer**

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