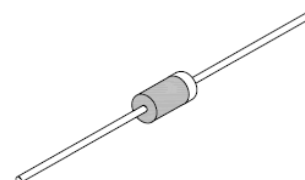


0.2A High Voltage Fast Recovery Rectifiers

Features

- Fast recovery times
- Low cost
- Designed for photo flash application
- Beveled round chip, avalanche operation
- RoHS compliance



DO-15



Mechanical Data

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

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

Symbol	Description	GF235	GF240	GF250	GF260	Unit	Conditions
VRRM	Maximum Recurrent Peak Reverse Voltage	3500	4000	5000	6000	V	
VRMS	Maximum RMS Voltage	2450	2800	3500	4200	V	
VDC	Maximum DC Blocking Voltage	3500	4000	5000	6000	V	
IF(AV)	Maximum Average Forward Rectified Current	0.2				A	L=10mm, $T_A=55^{\circ}\text{C}$
IFSM	Peak Forward Surge Current	25		20		A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
VF	Maximum Instantaneous Forward Voltage	8.0		12.0		V	IF=0.2A
IR	Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0				μA	$T_A=25^{\circ}\text{C}$
Trr	Typical Reverse Recovery Time	500				nS	IF=0.5A, IR=1A, Irr=0.25A

0.2A High Voltage Fast Recovery Rectifiers

GF235 - GF260

Symbol	Description	GF235	GF240	GF250	GF260	Unit	Conditions
C_J	Typical Junction Capacitance	6.0		4.0		pF	V _R =4V, f=1MHz
T_J	Operating Temperature range	-65 to +125				°C	
T_{STG}	Storage Temperature Range	-65 to +150				°C	

Typical Characteristics Curves

Fig.1-Max. Forward Current Rating Effect of Copper Area. Resistive/Inductive Load

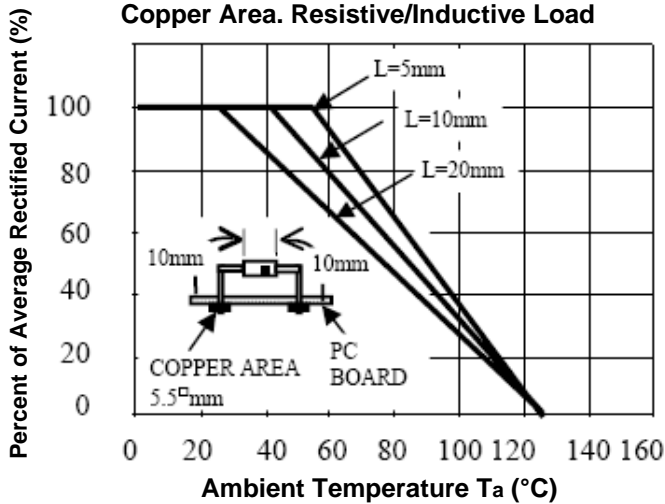


Fig.2-Max. Non-Repetitive Forward Surge Current

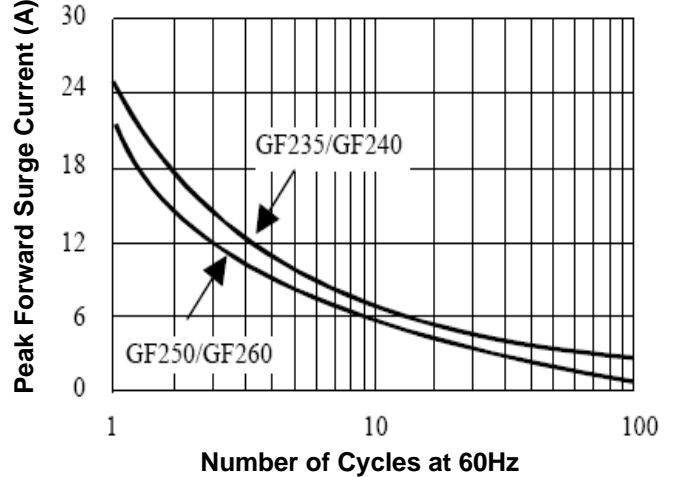


Fig.3- Typical Forward Characteristics

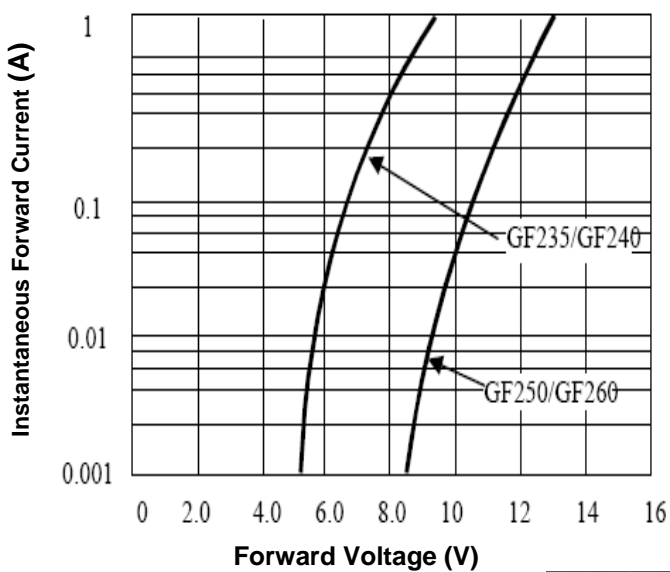
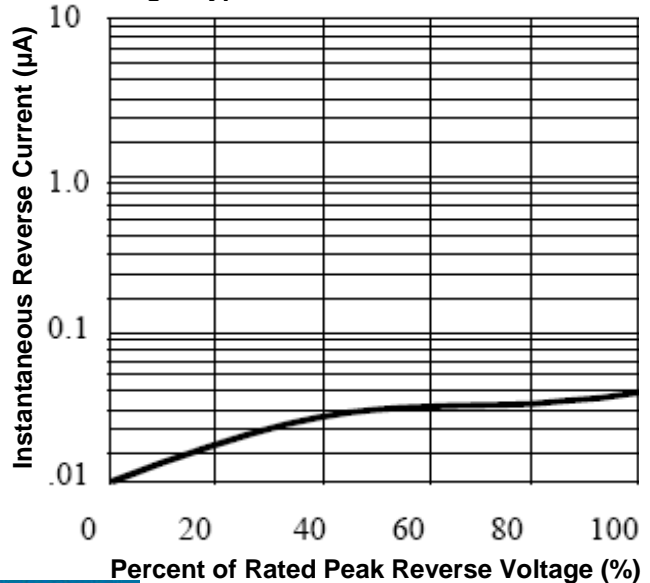


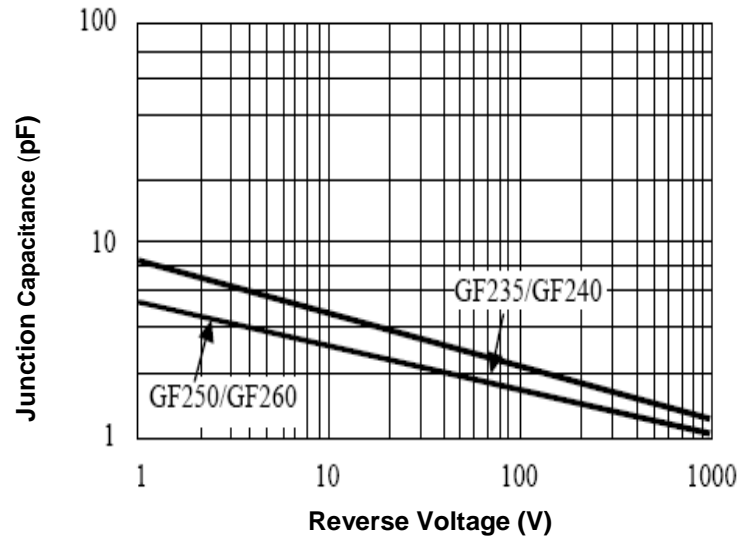
Fig.4-Typical Reverse Characteristics



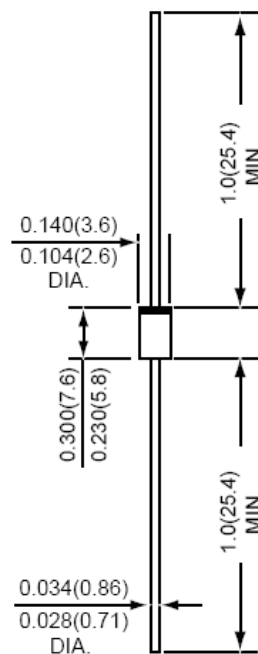
0.2A High Voltage Fast Recovery Rectifiers

GF235 - GF260

Fig.5- Typical Junction Capacitance



Dimensions in inches (mm)



DO-15

0.2A High Voltage Fast Recovery Rectifiers

GF235 - GF260

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