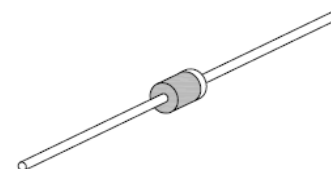


0.2A High Voltage Fast Recovery Rectifiers

Features

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



DO-41



Mechanical Data

Case:	JEDEC DO-41 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:	0.012 ounces, 0.34 gram

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

Symbol	Description	GF225	GF230	Unit	Conditions
VRRM	Maximum Recurrent Peak Reverse Voltage	2500	3000	V	
VRMS	Maximum RMS Voltage	1750	2100	V	
VDC	Maximum DC Blocking Voltage	2500	3000	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		A	8.3ms single half sine-wave superimposed on rated load (JEDEC Method)
VF	Maximum Instantaneous Forward Voltage	6.0		V	$I_F=0.2\text{A}$
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	$I_F=0.5\text{A}$, $I_R=1\text{A}$, $I_{rr}=0.25\text{A}$

0.2A High Voltage Fast Recovery Rectifiers

GF225/GF230

Symbol	Description	GF225	GF230	Unit	Conditions
C_J	Typical Junction Capacitance	6.0		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

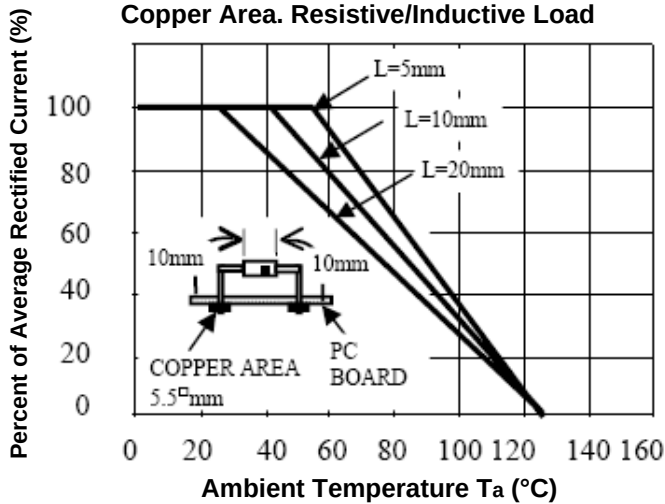


Fig.2-Max. Non-Repetitive Forward Surge Current

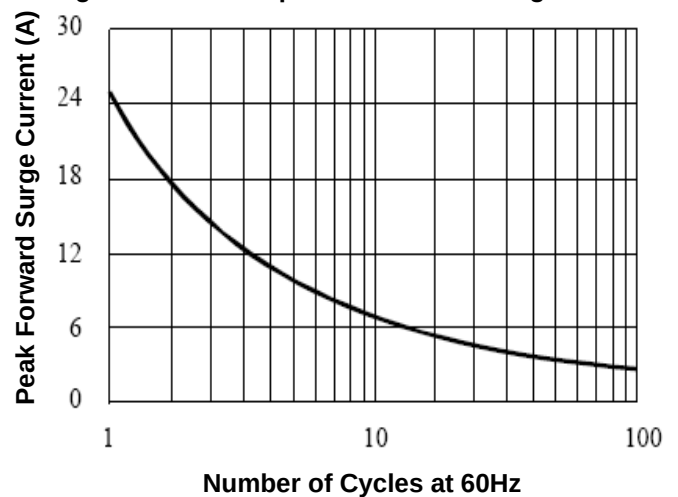


Fig.3- Typical Forward Characteristics

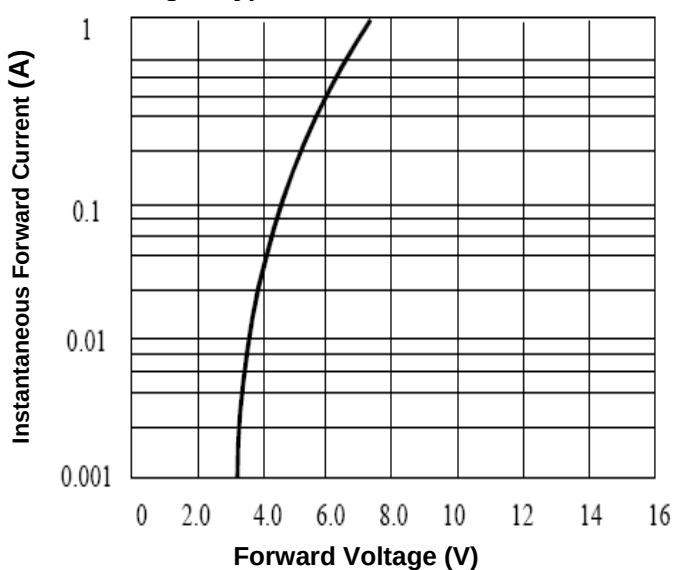
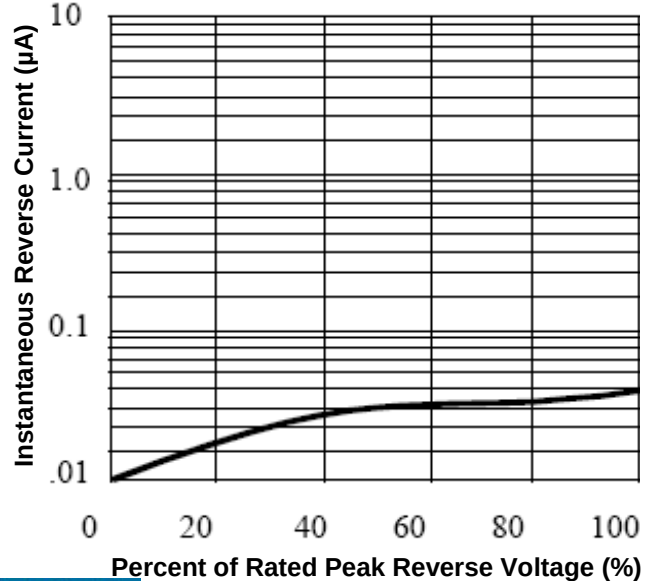


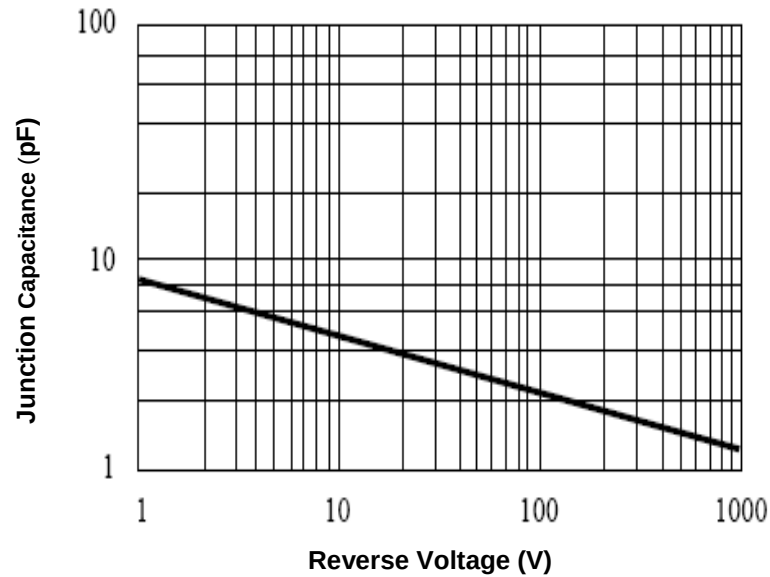
Fig.4-Typical Reverse Characteristics



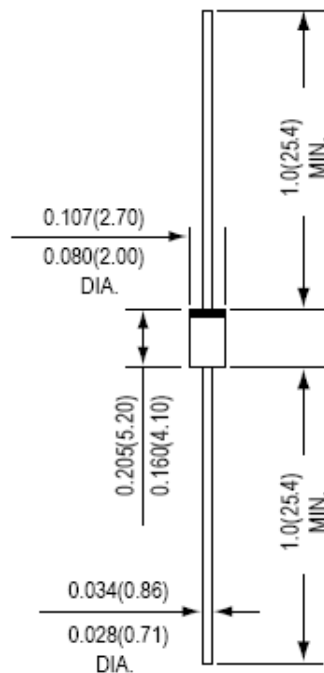
0.2A High Voltage Fast Recovery Rectifiers

GF225/GF230

Fig.5- Typical Junction Capacitance



Dimensions in inches (mm)



DO-41

TAITRON
components incorporated

Rev. A/AH 2008-05-04

0.2A High Voltage Fast Recovery Rectifiers

GF225/GF230

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