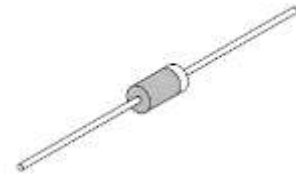


0.2A High Voltage Rectifiers

Features

- Avalanche operation
- Beveled round chip
- Low cost
- RoHS Compliance



DO-15



Mechanical Data

Case:	JEDEC DO-204AC(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	GP235	GP240	GP250	GP260	Unit	Conditions
VRRM	Maximum Repetitive 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	0.375" (9.5mm) lead length $T_A=55^{\circ}\text{C}$
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	5.0		7.0		V	$I_F=0.2\text{A}$
IR	Maximum DC Reverse Current at Rated DC Blocking Voltage	5.0				μA	$T_A=25^{\circ}\text{C}$
		50					$T_A=100^{\circ}\text{C}$

0.2A High Voltage Rectifiers

GP235 - GP260

Symbol	Description	GP235	GP240	GP250	GP260	Unit	Conditions
C_J	Typical Junction Capacitance	7		5		pF	V _R =4V, f=1MHz
R_{thJA}	Typical Thermal Resistance	50				°C / W	Note
T_J	Operating Junction Temperature Range	-55 to +125				°C	
T_{STG}	Storage Temperature Range	-55 to +150				°C	

Note: Both leads attached to heatsink 20x20x15(mm) copper plate at lead length 5mm.

Typical Characteristics Curves

Fig.1-Max. Forward Current Derating Curve

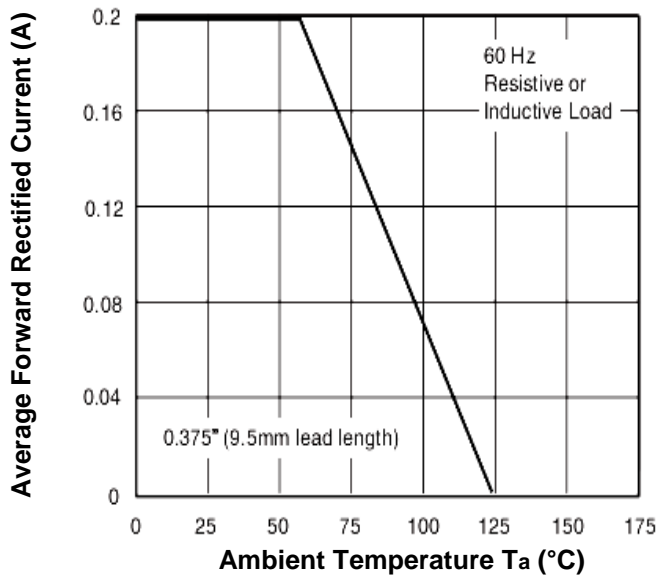


Fig.2-Max. Non-Repetitive Peak Forward Surge Current

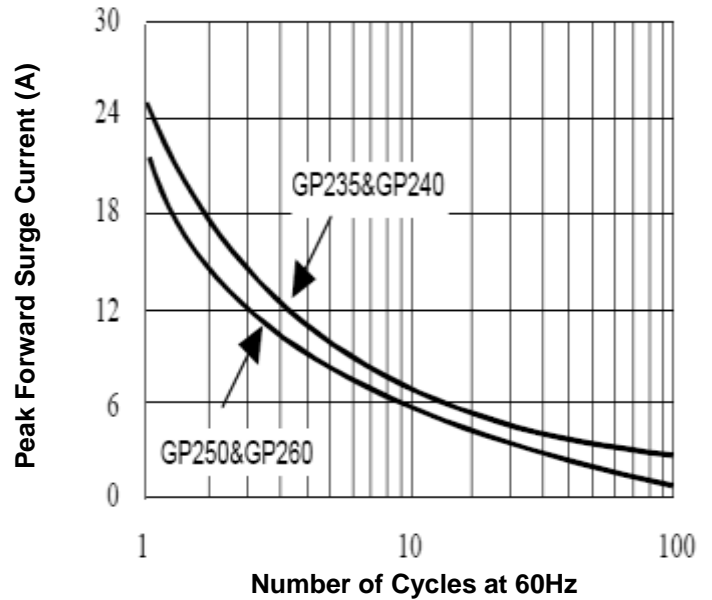


Fig.3- Typical Instantaneous Forward Characteristics

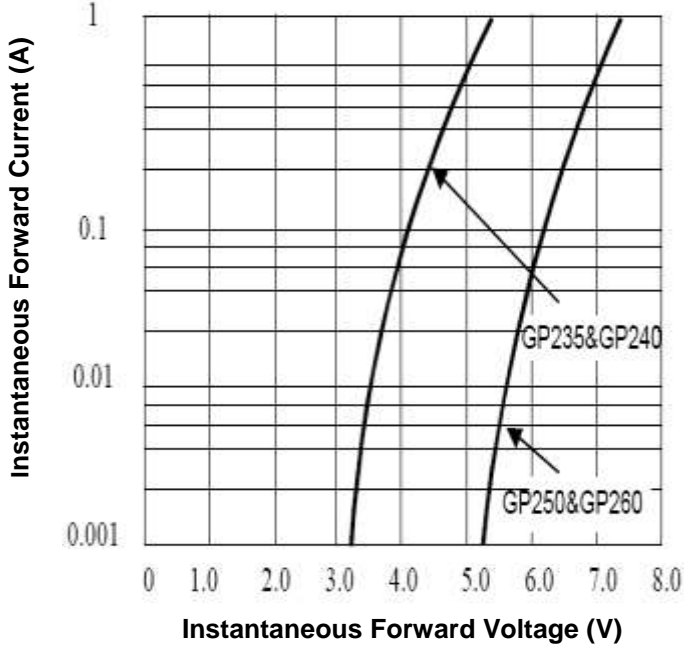


Fig.4-Typical Reverse Characteristics

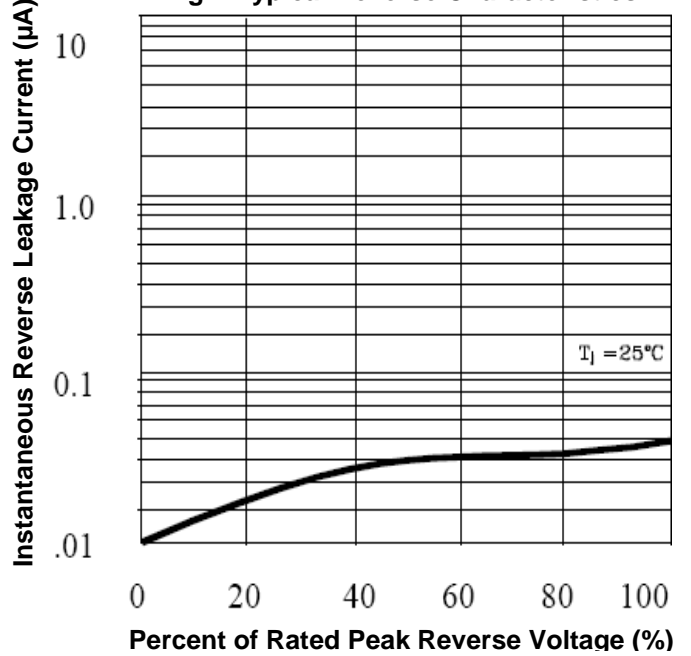
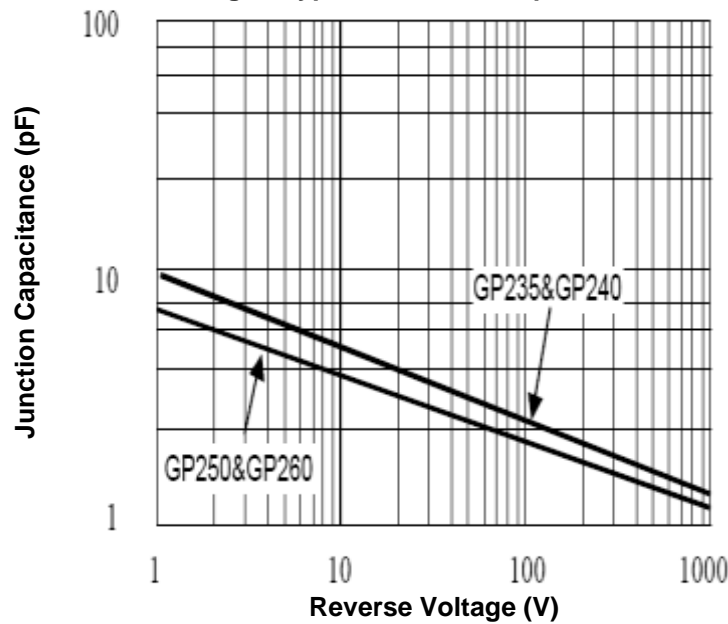


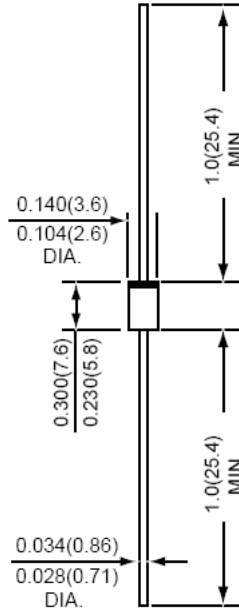
Fig.5- Typical Junction Capacitance



0.2A High Voltage Rectifiers

GP235 - GP260

Dimensions in inches (mm)



DO-15

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