

HIGH EFFICIENCY GLASS PASSIVATED RECTIFIER HER151G ~ HER158G

High Efficiency Glass Passivated Rectifier

Features

- Glass passivated chip junction
- Low power loss, high efficiency
- Low leakage
- High Surge Capacity
- High switching speed
- High temperature soldering guaranteed: 260 $^{\circ}$ C/10 seconds, 0.375" (9.5mm) lead length
- RoHS and REACH Compliance





Mechanical Data

Case:	Transfer molded plastic					
Polarity:	Color band denots cathode end					
Ероху:	UL94V-0 rate flame retardant					
Lead:	Plated axial lead, solderable per MIL-STD-202E Method 208C					
Mounting Position:	Any					
Weight:	0.014 ounce, 0.39 gram					

Maximum Ratings (*T* _{Ambient}=25°C unless noted otherwise)

Symbol	Description		HER 152G	HER 153G	HER 154G	HER 155G	HER 156G	HER 157G	HER 158G	Unit	Conditions
VRRM	Max Recurrent Peak Reverse Voltage		100	200	300	400	600	800	1000	V	
VRMS	Max RMS Voltage		70	140	210	280	420	560	700	V	
VDC	Max DC Blocking Voltage	50	100	200	300	400	600	800	1000	V	
I(AV)	Max Average Forward Rectified Current 0.375" (9mm) lead length	1.5							Α	TA=50°C	
IFSM	Peak Forward Surge Current	30							Α	JEDEC method	
TJ,TSTG	Operating and Storage Temperature Range	-55 to +150, -55 to +150							ဗ		
Rθ-JA	Typical Thermal Resistance	40							℃/₩	Note 2	

Electrical Characteristics (*T Ambient*=25°C unless noted otherwise)

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Symbol	Description	HER 151G	HER 152G	HER 153G	HER 154G	HER 155G	HER 156G	HER 157G	HER 158G	Unit	Conditions
VF	Max Instantaneous Forward Voltage	1.0 1.3			3	1.5				v	1.5A
IR(AV)	Maximum Full Load Reverse Current, Full Cycle average		100								0.375" (9.5mm) lead length at TL= 55℃
IR	Max DC Reverse Current at Rated DC Blocking Voltage	5.0 250								μА	TA=25°C TA=125°C
TRR	Maximum reverse recovery time	50				70				nS	Note 1
CJ	Typical Junction capacitance		3	30		20				pF	Measured at 1.0MHz / 4.0V

Note:

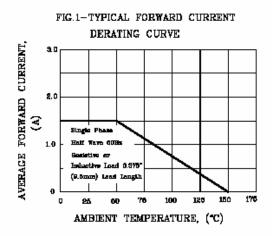
- 1. Reverse recovery test conditions: IF= 0.5A, IR=1.0A, IRR = 0.25A
- 2. Thermal resistance from junction to ambient with 0.375" (9.5mm) lead length, PCB mounted

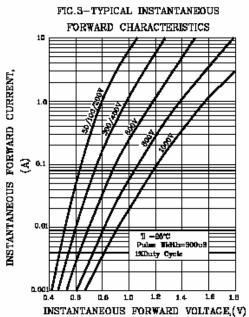
Rev. 0 2010-07-15

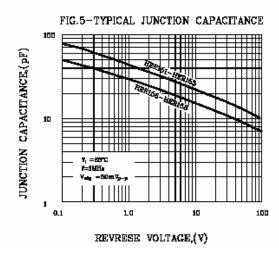


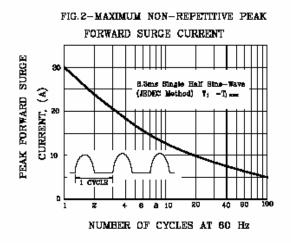
HER151G ~ HER158G

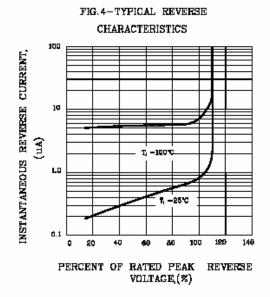
RATINGS AND CHARACTERISTIC CURVES HER151G THRU HER158G

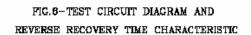


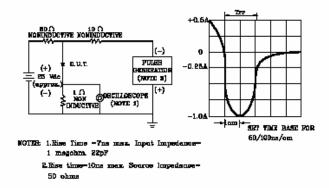








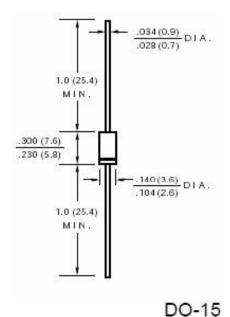






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Dimensions in inches (mm)



Contact us:

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