

1.5A, 50V - 1000V Glass Passivated High Efficient Rectifiers

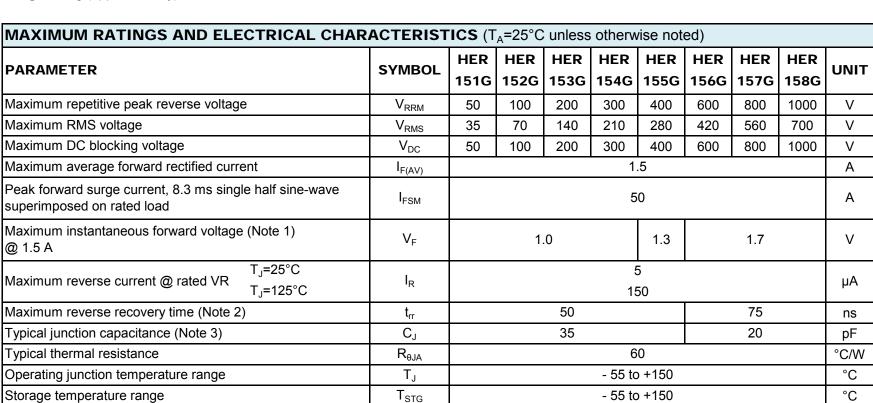
FEATURES

- Glass passivated chip junction
- High efficiency, Low VF
- High current capability
- High surge current capability
- Low power loss
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21

MECHANICAL DATA

Case: DO-204AC (DO-15)

Molding compound, UL flammability classification rating 94V-0 Part no. with suffix "H" means AEC-Q101 qualified Packing code with suffix "G" means green compound (halogen-free) **Terminal:** Pure tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 2 whisker test **Weight:** 0.4g (approximately)



Note 1: Pulse test with PW=300 µs, 1% duty cycle

Note 2: Reverse Recovery Test Conditions: I_F =0.5A, I_R =1.0A, I_{RR} =0.25A

Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.



DO-204AC (DO-15)



HER151G - HER158G

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ORDERING INFORMATION

PART NO.	PART NO.	PACKING CODE	PACKING CODE	PACKAGE	PACKING				
	SUFFIX		SUFFIX ^(*)						
HER15xG (Note 1)	н	A0	G	DO-15	1,500 / Ammo box				
		R0		DO-15	3,500 / 13" Paper reel				
		B0		DO-15	1,000 / Bulk packing				

Note 1: "x" defines voltage from 50V (HER151G) to 1000V (HER158G)

*: Optional available

EXAMPLE										
PREFERRED PART NO.	PART NO. SUFFIX		PACKING CODE	PACKING CODE SUFFIX	DESCRIPTION					
HER157GHA0G	HER157G	Н	A0	G	AEC-Q101 qualified Green compound					

RATINGS AND CHARACTERISTICS CURVES

(T_A=25°C unless otherwise noted)

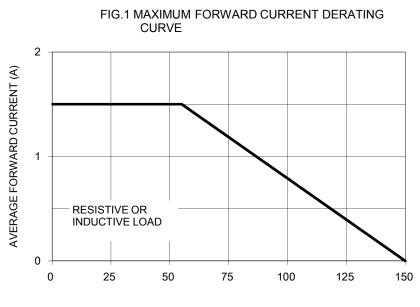
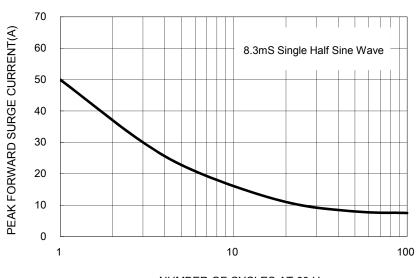


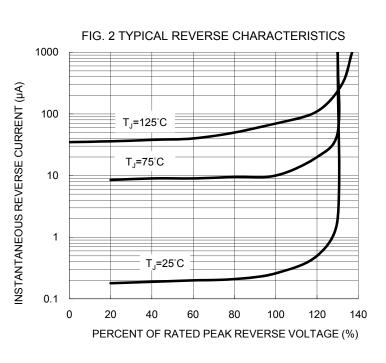


FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE

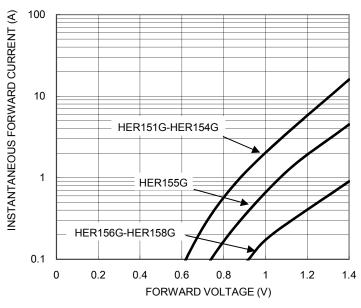


CURRENT

NUMBER OF CYCLES AT 60 Hz







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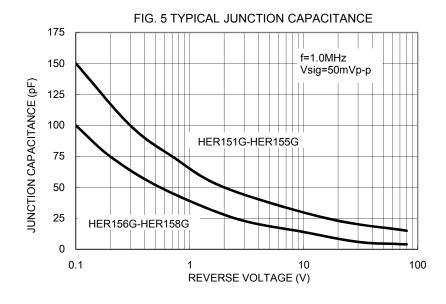
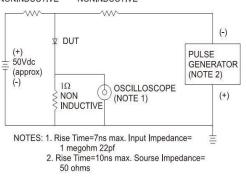
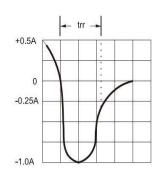


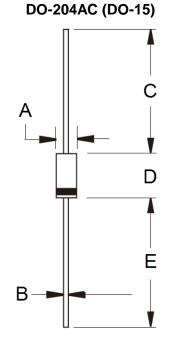
FIG.6 REVERSE RECOVERY TIME CHARACTERISTIC AND TEST CIRCUIT DIAGRAM

50Ω 10Ω NONINDUCTIVE NONINDUCTIVE





PACKAGE OUTLINE DIMENSIONS



DIM.	Unit	(mm)	Unit (inch)		
DIW.	Min	Max	Min	Max	
А	2.60	3.60	0.102	0.142	
В	0.70	0.90	0.028	0.035	
С	25.40	-	1.000	-	
D	5.80	7.60	0.228	0.299	
E	25.40	-	1.000	-	

MARKING DIAGRAM



P/N =Specific Device CodeG =Green CompoundYWW =Date CodeF =Factory Code



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