- riigii reliability
- High surge current capability
- Compliant to RoHS Directive 2011/65/EU and in accordance to WEEE 2002/96/EC
- Halogen-free according to IEC 61249-2-21 definition

MECHANICAL DATA

Case: R-6

0

R-6

Molding compound, UL flammability classification rating 94V-0 Base P/N with suffix "G" on packing code - green compound (halogen-free) **Terminal:** Matte tin plated leads, solderable per JESD22-B102 Meet JESD 201 class 1A whisker test **Weight:** 1.65 g (approximately)

MAXIMUM RATINGS AND ELECTRICAL CHARACTERSTICS (T _A =25°C unless otherwise noted)						
PARAMETER	SYMBOL	HER	HER	HER	HER	HER
		601G	602G	603G	604G	605G
Maximum repetitive peak reverse voltage	V _{RRM}	50	100	200	300	400
Maximum RMS voltage	V _{RMS}	35	70	140	210	280
Maximum DC blocking voltage	V _{DC}	50 100 200 300 40			400	
Maximum average forward rectified current	I _{F(AV)}	6				
Peak forward surge current, 8.3 ms single half sine-wave superimposed on rated load	I _{FSM}	150				
Maximum instantaneous forward voltage (Note 1) @ 6 A	V _F	1.0 1.3			1.3	
Maximum reverse current @ rated VR T _J =25 $^{\circ}$ C T _J =125 $^{\circ}$ C	I _R	10 200				
Maximum reverse recovery time (Note 2)	trr	50				
Typical junction capacitance (Note 2)	Cj	80				
Typical thermal resistance	R _{θjA}	37				
Operating junction temperature range	TJ	- 55 to +150				
Storage temperature range	T _{STG}	- 55 to +150				

Note 1: Pulse Test with PW=300 $\mu s,$ 1% Duty Cycle

Note 2: Reverse Recovery Test Conditions: IF=0.5A, IR=1.0A, IRR=0.25A

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

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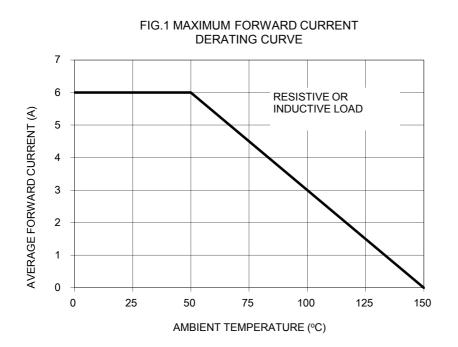
()	B0	R-6	400 / Bulk packi

Note 1: "x" defines voltage from 50V (HER601G) to 600V (HER606G)

EXAMPLE						
PREFERRED P/N	PART NO.	PACKING CODE	GREEN COMPOUND CODE	DESCRIP		
HER605G A0	HER605G	A0				
HER605G A0G	HER605G	A0	G	Green com		

RATINGS AND CHARACTERISTICS CURVES

(TA=25°C unless otherwise noted)



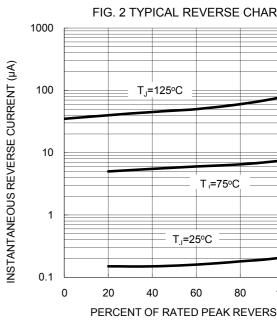
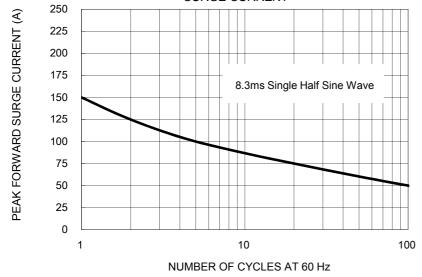
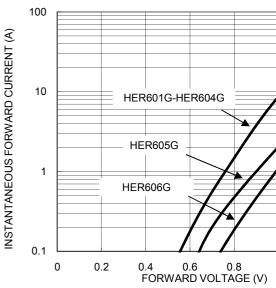


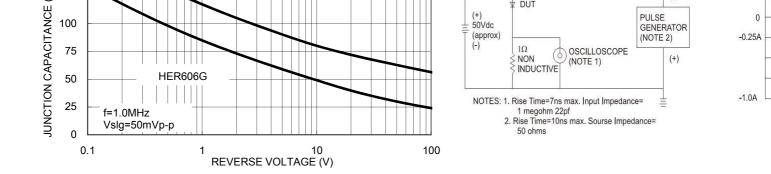
FIG. 3 MAXIMUM NON-REPETITIVE FORWARD SURGE CURRENT





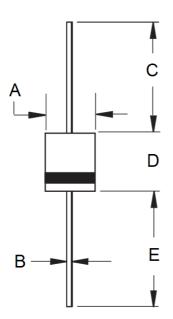


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PACKAGE OUTLINE DIMENSIONS

R-6



DIM.	Unit	(mm)	Unit (inch)			
	Min	Мах	Min	Max		
А	6.80	7.20	0.268	0.283		
В	1.20	1.30	0.047	0.051		
С	25.40	-	1.000	-		
D	8.60	9.10	0.339	0.358		
Е	25.40	-	1.000	-		

MARKING DIAGRAM



- P/N = Specific Device Code
- G = Green Compound
- YWW = Date Code
- F = Factory Code

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