ingir carroin 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 definition

MECHANICAL DATA

Case: DO-204AC (DO-15)

Molding compound, UL flammability classification rating 94V-0

Packing code with suffix "G" means green compound (halogen-free)

Terminal: Pure tin plated leads, solderable per JESD22-B102

Meet JESD 201 class 1A whisker test

Weight: 0.4g (approximately)



DO-204AC (DO-15)

RACTERIST	ICS (T	_A =25°C	unless	otherw	ise not	ed)	
SYMBOL	HER 151G	HER 152G	HER 153G	HER 154G	HER 155G	HER 156G	1
V_{RRM}	50	100	200	300	400	600	
V_{RMS}	35	70	140	210	280	420	
V_{DC}	50	100	200	300	400	600	
I _{F(AV)}	1.5						
I _{FSM}	50						
V _F	1.0 1.3			1.3			
I _R	5 150						
t _{rr}			50				
CJ			35				
$R_{\theta JA}$				6	0		
TJ				- 55 to	+150		
T _{STG}	- 55 to +150						
	$\begin{array}{c c} \textbf{SYMBOL} \\ \hline & V_{RRM} \\ \hline & V_{RMS} \\ \hline & V_{DC} \\ \hline & I_{F(AV)} \\ \hline & I_{FSM} \\ \hline & V_{F} \\ \hline & I_{R} \\ \hline & t_{rr} \\ \hline & C_{J} \\ \hline & R_{\theta JA} \\ \hline & T_{J} \\ \hline \end{array}$	SYMBOL	SYMBOL HER 151G 152G V _{RRM} 50 100 V _{RMS} 35 70 V _{DC} 50 100 I _{F(AV)} I _{FSM} 1 V _F 1 1 I _R 1 1 C _J R _{θJA} T _J	SYMBOL HER 151G HER 152G HER 153G V _{RRM} 50 100 200 V _{RMS} 35 70 140 V _{DC} 50 100 200 I _{F(AV)} I 1.0 I _R 1.0 t _{rr} 50 C _J 35 R _{θJA} T _J	SYMBOL HER 151G HER 152G HER 153G HER 154G V _{RRM} 50 100 200 300 V _{RMS} 35 70 140 210 V _{DC} 50 100 200 300 I _{F(AV)} 1 1 I _{FSM} 5 1.0 I _R 1 1 t _{rr} 50 50 C _J 35 R _{θJA} 6 T _J -55 to	$\begin{array}{ c c c c c c c c c c c c c c c c c c c$	$ \begin{array}{ c c c c c c c c c c c c c c c c c c c$

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

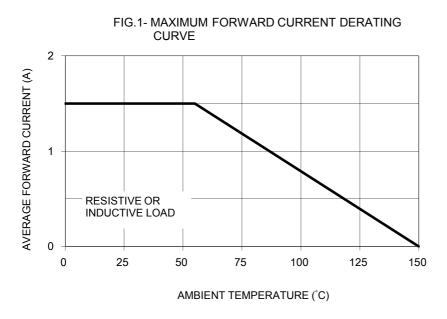
Note 2: Reverse Recovery Test Conditions: I_F =0.5A, I_R =1.0A, I_{RR} =0.25A

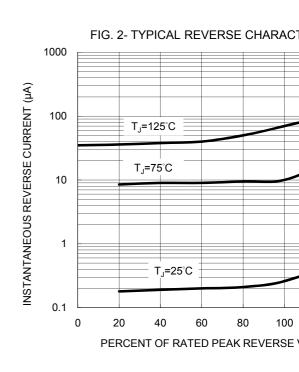
Note 3: Measured at 1 MHz and Applied Reverse Voltage of 4.0V D.C.

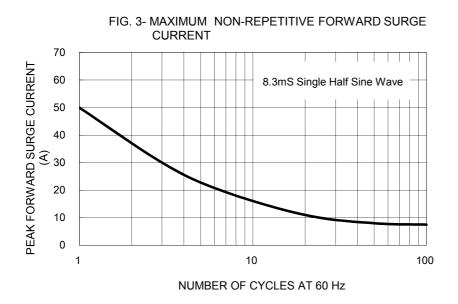
EXAMPLE				
PREFERRED P/N	PART NO.	PACKING CODE	PACKING CODE SUFFIX	DESCRIPT
HER158G A0G	HER158G	A0	G	Green compo

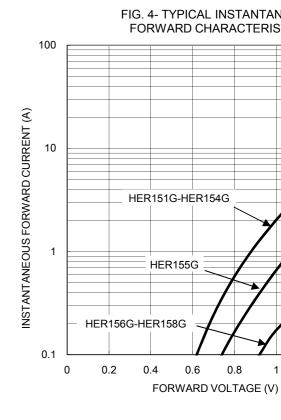
RATINGS AND CHARACTERISTICS CURVES

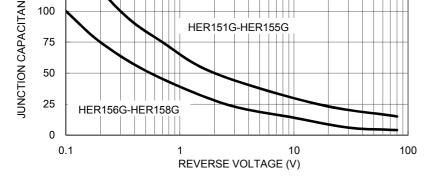
(T_A=25°C unless otherwise noted)

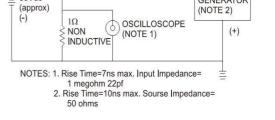








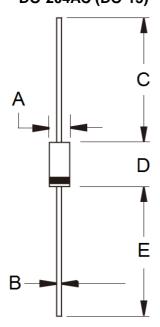




-0.25A

-1.0A

PACKAGE OUTLINE DIMENSIONS DO-204AC (DO-15)



DIM.	Unit	(mm)	Unit (inch)	
DIIVI.	Min	Max	Min	Max
Α	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 Code G = Green Compound

YWW = Date Code F = Factory Code

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