HER201G THRU HER208G

High Efficiency Rectifiers Reverse Voltage – 50 to 1000 V Forward Current – 2 A

Features

- Void-free plastic in a DO-15 package
- 2A operation at Ta = 55°C with no thermal runaway
- Ultra fast switching for high efficiency
- · Glass passivated

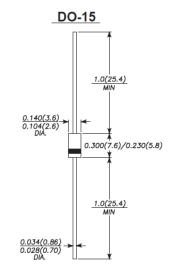
Mechanical Data

• Case: Molded plastic

• Lead: MIL-STD-202, method 208 guaranteed

• Polarity: Band denotes cathode

• Mounting Position: Any



Dimensions in inches and (millimeters)

Absolute Maximum Ratings and Characteristics

Ratings at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60Hz, resistive or inductive load. For capacitive load, derate current by 20%.

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Symbols	HER 201G	HER 202G	HER 203G	HER 204G	HER 205G	HER 206G	HER 207G	HER 208G	Units
Marking	HER 201G	HER 202G	HER 203G	HER 204G	HER 205G	HER 206G	HER 207G	HER 208G	-
V_{RRM}	50	100	200	300	400	600	800	1000	V
V _{RMS}	35	70	140	210	280	420	560	700	V
V_{DC}	50	100	200	300	400	600	800	1000	V
I _{F(AV)}	2							Α	
I _{FSM}	60							А	
V_{F}	1.0 1.3			.3	1.7			V	
I _R	5 100							μА	
t _{rr}	50 75						ns		
CJ	30 20						pF		
$R_{\theta JA}$	50						°C/W		
T_J , T_{Stg}	-55 to +150							°C	
	$\begin{tabular}{ll} Symbols \\ Marking \\ V_{RRM} \\ V_{RMS} \\ V_{DC} \\ I_{F(AV)} \\ I_{FSM} \\ V_{F} \\ I_{R} \\ t_{rr} \\ C_{J} \\ R_{\theta JA} \\ \end{tabular}$	201G 201G Marking	Symbols HER 201G 202G Marking HER 201G 202G V _{RRM} 50 100 50 100 V _{RMS} 35 70 100 I _{F(AV)} 100 I _{F(AV)} 1.0 I _R 1.0 I _R 1.0 R _{θJA} 1.0	Symbols HER 201G HER 202G HER 203G Marking HER 201G 202G 203G V _{RRM} 50 100 200 V _{RMS} 35 70 140 V _{DC} 50 100 200 I _{F(AV)} 1.0 1.0 I _{FSM} 1.0 1.0 I _R 1.0 1.0 C _J 30 30 R _{θJA} 1.0 1.0	Symbols HER 201G HER 202G HER 203G HER 204G 20	Symbols HER 201G HER 202G HER 203G HER 204G HER 205G 205G 205G 204G 205G 205G 205G 204G 205G 205G 204G 205G 205G 204G 205G 205G 204G 205G 205G 205G 204G 205G 205G 200G 200G 300 400 200 300 400 200 300 400 200 300 400 200 300 400 200 300 400 200 300 400 200 300 400 200 300 400 300 400 300 400 300	Symbols HER 201G HER 202G HER 203G HER 204G HER 205G HER 206G Marking HER 201G 202G 203G 204G 205G 206G 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)} 2 60 60 60 60 60 V _F 1.0 1.3 5 100 50 100 50 100 50 60	Symbols HER 201G HER 202G HER 203G 207G V _{RMM} 50 100 200 300 400 600 800 V _{RMS} 35 70 140 210 280 420 560 V _{DC} 50 100 200 300 400 600 800 V _F 1.0 1.3 1.7 I _R 5 100 75 C _J 30 20 R _{θJA} 50	Symbols HER 201G HER 202G HER 203G 203G </td

 $^{^{1)}}$ Test conditions: I_F = 0.5A , I_R = 1A , I_{RR} = 0.25A.

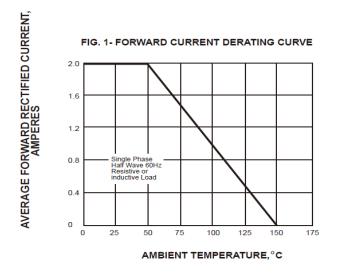


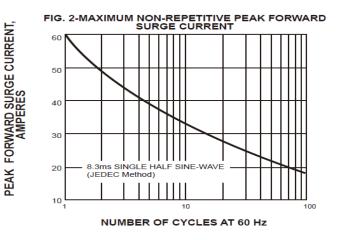
²⁾ Measured at 1 MHz and applied reverse voltage of 4 volts.

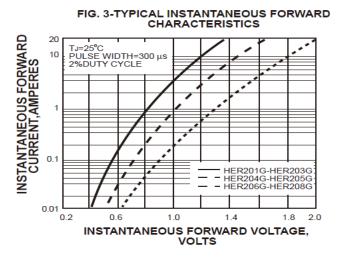
³⁾ Thermal resistance from junction to ambient at 0.375"(9.5mm) lead length P.C.B.mounted.

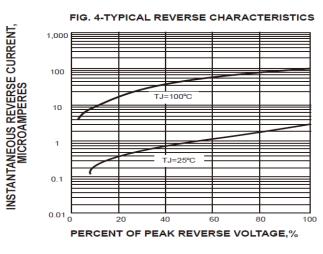
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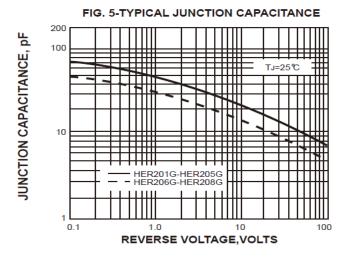
Electrical Characteristics Curves

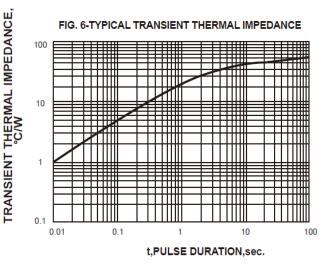














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Marking information

" ****** " = Part No.

Font type: Arial



