

FEATURES

High current capability	
High surge current capability	
High reliability	
Low reverse current	
Low forward voltage drop	
Fast switching for high efficiency	



MECHANICAL DATA

| Terminals: Solder plated, solderable per MIL-STD-750, Method 2026 | Polarity:: Color band denotes cathode end | Mounting Position: Any

APPROVALS

RoHS	Compliance with 2011/65/EU
HF	Compliance with IEC61249-2-21:2003

MAXIMUM RATINGS AND CHARACTERISTICS ($T_A = 25$ °C)

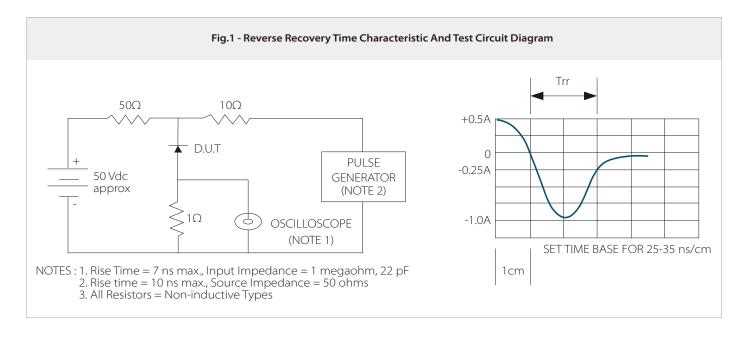
Parameter		Symbol	HER301	HER302	HER303	HER304	HER305	HER306	HER307	HER308	Unit	
Marking			HER301	HER302	HER303	HER304	HER305	HER306	HER307	HER308		
Maximum Recurrent Peak Revers	Maximum Recurrent Peak Reverse Voltage		50	100	200	300	400	600	800	1000		
Maximum RMS Voltage Maximum DC Blocking Voltage		V _{RMS}	35	70	140	210	280	420	560	700	V	
		V _{DC}	50	100	200	300	400	600	800	1000		
Maximum Average Forward Current 0.375"(9.5mm) Lead Length Ta = 55 ℃				3.0						А		
Peak forward surge current 8.3 ms single half sine-wave superimposed on rated load			150									
Maximum Forward Voltage at I _F =3.0 A		V _F	1.1 1.7					V				
Maximum DC reverse current	T _A =25°C	I _R					10					
at rated DC blocking voltage	T _A =100°C	I _{R(H)}					50				uA	
Maximum Reverse Recovery Time (Note1)		t _{rr}	50 75				nS					
Typical Junction Capacitance (Note2)		C _J	50						рF			
Junction Temperature Range		T	-65~+150						°C			
Storage temperature rang		T _{STG}	-65~+150						°C			

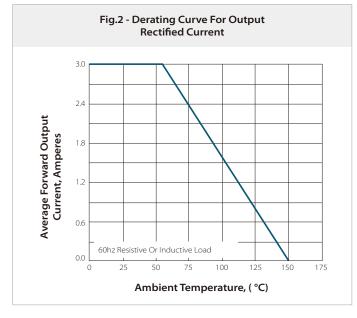
Note:

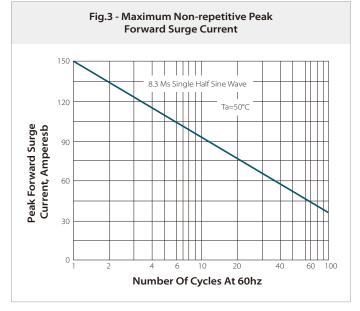
1.Reverse Recovery Test Conditions : I_F =0.5 A, I_R =1.0A, Irr=0.25A 2.Measured at 1.0 MHz and applied reverse voltage of 4.0 $V_{\rm DC}$



CHARACTERISTIC CURVES

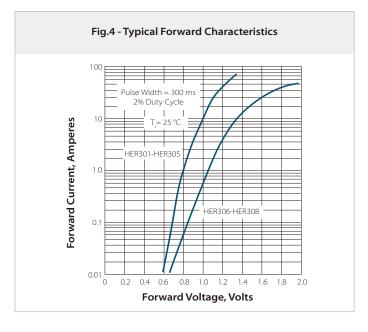


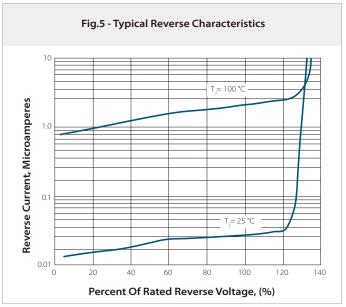




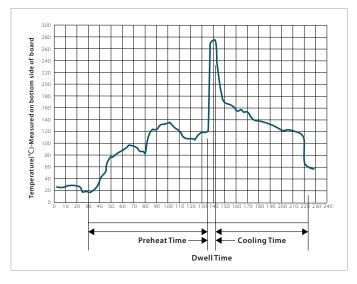


CHARACTERISTIC CURVES





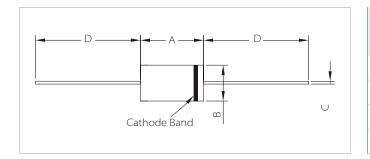
WAVE SOLDERING



	Wave Parameter	Lead-free assembly			
Pre Heat	Temperature Min	100°C			
	Temperature Max	150°C			
	Time(min to max)	60 – 180 secs			
Solder po	t Temperature	280°C Max			
Solder Dv	vellTime	2-5 seconds			



DO-201 PACKAGE INFORMATION



Ref.	Millin	neters	Inches			
	Min.	Max.	Min.	Max.		
А	8.50	9.50	0.335	0.375		
В	4.80	5.60	0.189	0.220		
С	1.10	1.45	0.043	0.057		
D	24.00	-	0.945	-		

ORDERING INFORMATION

Part Number	Component Package	Per Carton	Description	
HER301-HER308	DO-201	1250pcs	Reel	





Fast recovery rectifiers

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