

# HIGH EFFICIENCY RECTIFIER HER201 ~ HER208

### **High Efficiency Rectifier**

### **Features**

- Low power loss, high efficiency
- Low leakage
- High Surge Capacity
- High switching speed
- High temperature soldering guaranteed: 260°C/10 seconds, 0.375" (9.5mm) lead length
- RoHS and REACH Compliance

#### **Mechanical Data**

Case:	Transfer molded plastic					
Polarity:	Color band denots cathode end					
Ероху:	UL94V-0 rate flame retardant					
Lead:	Plated axial lead, solderable per MIL-STD-202E Method 208C					
Mounting Position:	Any					
Weight:	0.014 ounce, 0.39 gram					

### **Maximum Ratings** (*T* <sub>Ambient</sub>=25°C unless noted otherwise)

Symbol	Description		HER 202	HER 203	HER 204	HER 205	HER 206	HER 207	HER 208	Unit	Conditions
VRRM	Max Recurrent Peak Reverse Voltage		100	200	300	400	600	800	1000	V	
VRMS	Max RMS Voltage		70	140	210	280	420	560	700	V	
VDC	Max DC Blocking Voltage		100	200	300	400	600	800	1000	V	
I(AV)	Max Average Forward Rectified Current 0.375" (9mm) lead length	2.0							Α	TA=50°C	
IFSM	Peak Forward Surge Current	60							Α	JEDEC method	
TJ,TSTG	Operating and Storage Temperature Range	-55 to +150, -55 to +150							ဗ		
R <del>0</del> -JA	Typical Thermal Resistance	40							°C/W	Note 2	

### **Electrical Characteristics** (*T Ambient*=25°C unless noted otherwise)

			0.0	,							
Symbol	Description	HER 201	HER 202	HER 203	HER 204	HER 205	HER 206	HER 207	HER 208	Unit	Conditions
VF	Max Instantaneous Forward Voltage	1.0		1.3	3	1.5	1.5 1.7			v	2.0A
IR(AV)	Maximum Full Load Reverse Current, Full Cycle average		100								0.375" (9.5mm) lead length at TL= 55℃
IR	Max DC Reverse Current at Rated DC Blocking Voltage		5.0 250								TA=25°C TA=125°C
TRR	Maximum reverse recovery time		50				70 nS				Note 1
CI	Typical Junction capacitance		3	80		20				pF	Measured at 1.0MHz / 4.0V

#### Note:

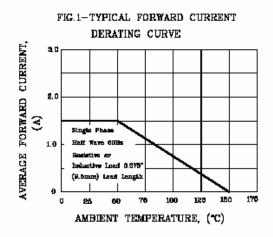
- 1. Reverse recovery test conditions: IF= 0.5A, IR=1.0A, IRR = 0.25A
- 2. Thermal resistance from junction to ambient with 0.375" (9.5mm) lead length, PCB mounted

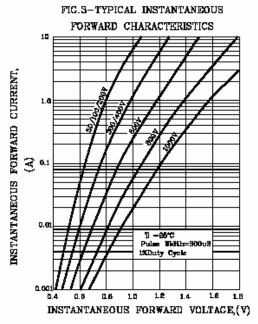
Rev. 0 2010-07-15

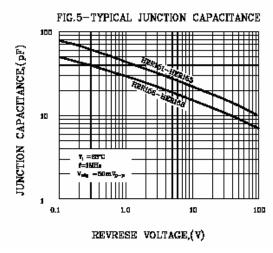


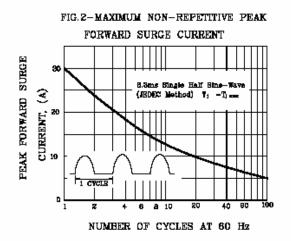
# **HER201 ~ HER208**

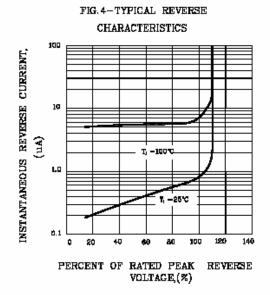
#### **RATINGS AND CHARACTERISTIC CURVES HER201 THRU HER208**

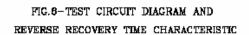


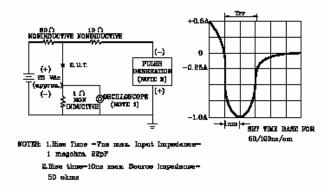








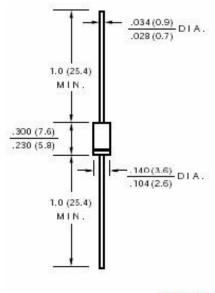






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### **Dimensions in inches (mm)**



DO-15

### Contact us:

## **US HEADQUARTERS**

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