

High Efficiency Rectifier

Features

- Glass passivated chip junction
- Low power loss, high efficiency
- Low leakage
- High Surge Capacity
- High switching speed
- High temperature soldering guaranteed:
- 260 $^\circ\!\!\!\mathrm{C}/10$ 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:	0.012 ounce, 0.33 gram					

Maximum Ratings (T Ambient=25°C unless noted otherwise)

Symbol	Description	HER 101G	HER 102G	HER 103G	HER 104G	HER 105G	HER 106G	HER 107G	HER 108G	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	1.0							А	TA=50 ℃	
IFSM	Peak Forward Surge Current	30								Α	JEDEC method
TJ,TSTG	Operating and Storage Temperature Range	-55 to +150, -55 to +150								Ĉ	
RÐ-JA	Typical Thermal Resistance	60							°C/W	Note 2	

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

			-			,					
Symbol	Description	HER 101G	HER 102G	HER 103G	HER 104G	HER 105G	HER 106G	HER 107G	HER 108G	Unit	Conditions
VF	Max Instantaneous Forward Voltage	1.0		1.3		1.5		1.7		v	1.0A
IR	Max DC Reverse Current at Rated				5.	0			TA=25 ℃		
IK	DC Blocking Voltage	250								μΑ	TA=125 ℃
TRR	Maximum reverse recovery time		5	0			7	nS	Note 1		
cı	Typical Junction capacitance		1	5		12				pF	Measured at 1.0MHz / 4.0V

Note:

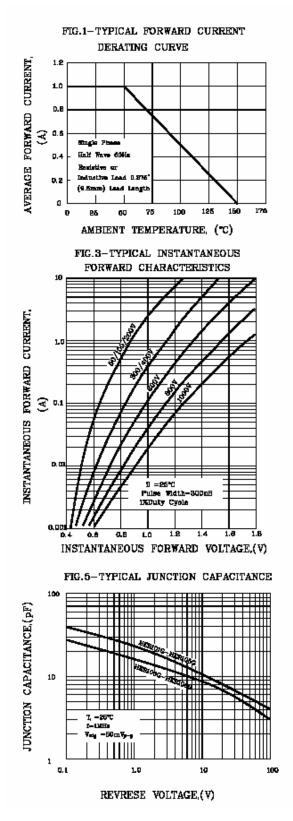
1. Reverse recovery test conditions: IF= 0.5A, IR=1.0A, IRR = 0.25A

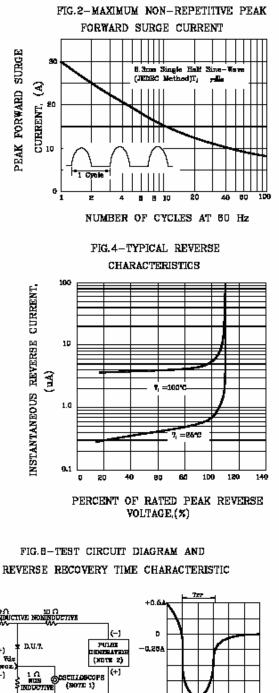
2. Thermal resistance from junction to ambient with 0.375" (9.5mm) lead length, PCB mounted

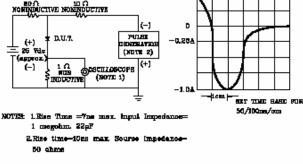


HER101G ~ HER108G

RATINGS AND CHARACTERISTIC CURVES HER101G THRU HER108G





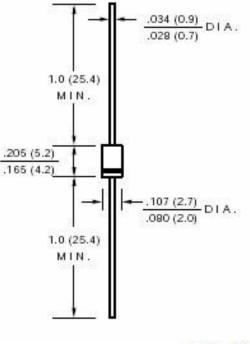


Rev. 0 2010-07-15



HER101G ~ HER108G

Dimensions in inches (mm)



DO-41

Contact us:

US HEADQUARTERS

MEI SEMI INC.

2902 Corvin Drive, Santa Clara, CA95051, USA

Tel: 1-408-733-0808 Fax: 1-408-733-2828