



HER101 THRU HER108

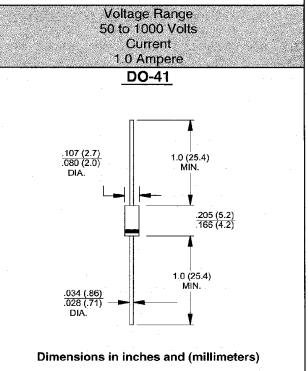
1.0 AMP. High Efficient Rectifiers

Features

- Low forward voltage drop
- High current capability
- High reliability
- High surge current capability

Mechanical Data

- Cases: Molded plastic DO-41
- Epoxy: UL 94V-O rate flame retardant
- Lead: Axial leads, solderable per MIL-STD-202, Method 208 guaranteed
- Polarity: Color band denotes cathode end
- High temperature soldering guaranteed: 250°C/10 seconds/.375",(9.5mm) lead lengths at 5 lbs., (2.3kg) tension
- Weight: 0.34gram



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Maximum Ratings and Electrical Characteristics

Rating at 25°C ambient temperature unless otherwise specified. Single phase, half wave, 60 Hz, resistive or inductive load.

For capacitive load, derate current by 20%

Symbols	HER	HER	HER	HER	HER	HER	HER	HER	Units
	101	102	103	104	105	106	107	108	
Maximum Recurrent Peak Reverse Voltage	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	35	70	140	210	280	420	560	700	· V
Maximum DC Blocking Voltage	50	100	200	300	400	600	800	1000	V
Maximum Average Forward Rectified Current .375 (9.5mm) Lead Length @T _A = 55°C	1.0								Α
Peak Forward Surge Current, 8.3 ms Single Half Sine-wave Superimposed on Rated Load (JEDEC method)	30								Α
Maximum Instantaneous Forward Voltage @ 1.0A		1.0 1.3					1.7		V
Maximum DC Reverse Current @ T _A =25°C	5.0								uA
at Rated DC Blocking Voltage @ T _A =100°C	100								u A
Maximum Reverse Recovery Time (Note 1)	50 75							· nS	
Typical Junction Capacitance (Note 2)	20 15						рF		
Operating Temperature Range T _J	-65 to +125							°C	
Storage Temperature Range T _{STG}	-65 to +150							$^{\circ}\!\mathbb{C}$	

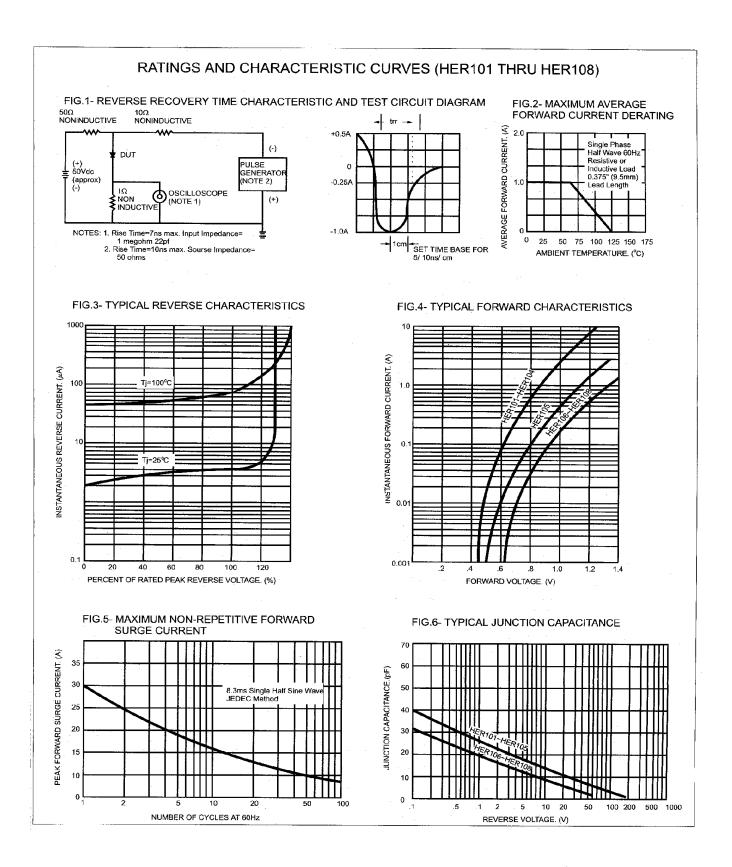
Notes: 1. Reverse Recovery Test Conditions: I_E=0.5A, I_R=1.0A, I_{RR}=0.25A

2. Measured at 1 MHz and Applied Reverse Voltage of 4.0 V D.C.

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