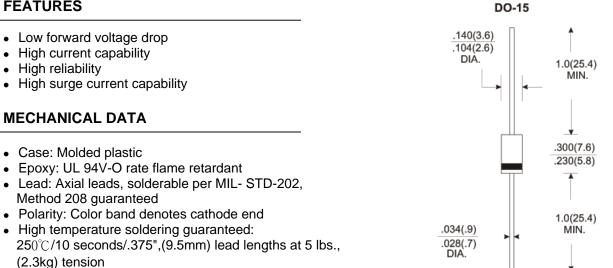


#### **1.5 A High Efficiency Rectifiers** HER151 THRU HER158 50 to 1000 V 1.5 A

### **FEATURES**



- Mounting position: Any
- Weight: 0.40 gram

Dimensions in inches and (millimeters)

## **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%

Type Number	Symbols	HER 151	HER 152	HER 153	HER 154	HER 155	HER 156	HER 157	HER 158	Units
Maximum Recurrent Peak Reverse Voltage	V <sub>RRM</sub>	50	100	200	300	400	600	800	1000	Volts
Maximum RMS Voltage	V <sub>RMS</sub>	35	70	140	210	280	420	560	700	Volts
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	300	400	600	800	1000	Volts
Maximum Average Forward Rectified Current. 375" (9.5mm) Lead Length @ $T_A$ =55 $^{\circ}C$	I <sub>(AV)</sub>	1.5								Amp
Peak Forward Surge Current, 8.3ms single half-sine-wave superimposed on rated load (JEDEC method)	IFSM	50								Amp
Maximum instantaneous Forward Voltage@ 1.5A	VF	1.0				1.3	1.7			Volts
Maximum Reverse Current @ $T_A=25^{\circ}C$ at Rated DC Blocking Voltage @ $T_A=100^{\circ}C$	I <sub>R</sub>	5.0 100								uAmp
Maximum Reverse Recovery Time (Note 1)	TRR	50 75							nS	
Typical Junction Capacitance (Note2)	CJ	50 30							pF	
Operating Temperature Range	ТJ	-55 to +150								°C
Storage Temperature Range	T <sub>STG</sub>	-55 to +150								°C

#### NOTES:

1. Reverse Recovery Test Conditions: IF =0.5A, IR =1.0A, IRR =0.25A

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



# **RATINGS AND CHARACTERISTIC CURVES (HER151 THRU HER158)**

