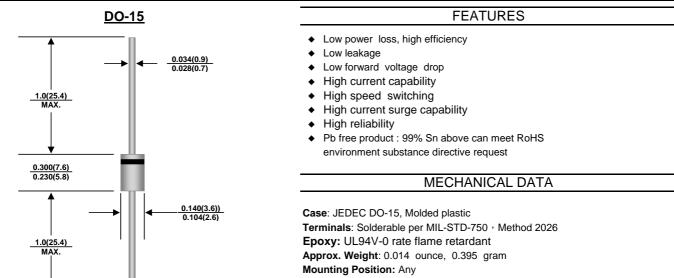


## HER151G THRU HER158G

## HIGH EFFICIENCY GLASS PASSIVATED RECTIFIER

Reverse Voltage - 50 to 1000 Volts Forward Current - 1.5 Ampere



Dimensions in inches and (millimeters)

## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwis e specified.

Single phase half-wave 60Hz, resistive or inductive load, for capacitive load current derate by 20%.

Single phase half-wave 60Hz, resistive or inductive load, for capacitiv		r í						1	
PARAMETER	SYMBOLS	HER 151G	HER 152G	HER 153G	HER 155G	HER 156G	HER 157G	HER 158G	UNITS
Maximum repetitive peak reverse voltage	V <sub>RRM</sub>	50	100	200	400	600	800	1000	Volts
Maximum RMS voltage	V <sub>RMS</sub>	35	70	140	280	420	560	700	Volts
Maximum DC blocking voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	Volts
Average Rectified current at T <sub>A</sub> =55℃	I <sub>(AV)</sub>	1.5						Amp	
Non-repetitive Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I <sub>FSM</sub>	50						Amps	
Maximum Forward Voltage at IF=1.5A	V <sub>F</sub>	1.0 1.3			1.7			Volts	
Maximum DC reverse current at $T_A=25$ °C at rated DC blocking voltage	I <sub>R</sub>	5.0						μA	
Maximum reverse recovery time (NOTE 1)	t <sub>rr</sub>	50			75			nS	
Typical Junction Capacitance (NOTE 2)	CJ	50			35			pF	
Operating Junction & Storage Temperature Range	$T_{J,} T_{STG}$	-65 to +150						ĉ	

Note: 1. Reverse recovery condition IF=0.5A,IR=1.0A,Irr=0.25A

2. Measured at 1MHz and applied reverse voltage of 4.0V D.C.



## **RATINGS AND CHARACTERISTIC CURVES**

