### HER151G ~ HER158G

### GLASS ULTRAFAST RECOVERY RECTIFIERS



#### MAXIMUM RATINGS(TA=25°C unless otherwise noted)

Rating 25 C ambient temperature unless otherwies specified. Single phase half wave, 60Hz, resistive or inductive load. For capacitive load, derate current voltage by 20%.

PARAMETER	SYMBOL	HER151G	HER152G	HER153G	HER155G	HER156G	HER157G	HER158G	UNITS
Maximum Recurrent Peak Reverse Voltage	V <sub>rrm</sub>	50	100	200	400	600	800	1000	V
Maximum RMS Voltage	V <sub>rms</sub>	35	70	140	280	420	560	700	V
Maximum DC Blocking Voltage	V <sub>DC</sub>	50	100	200	400	600	800	1000	V
Maximum Average Forward Current 0.375"(9.5mm) lead length at $T_{k}$ =55°C	I <sub>F(AV)</sub>	1.5							A
Peak Forward Surge Current : 8.3ms single half sine-wave superimposed on rated load	I <sub>fsm</sub>	60							A
Maximum Forward Voltage at 2A	V <sub>F</sub>	1 1.3 1.7				1.7		V	
Maximum DC Reverse Current at Rated DC Blocking $T_J=25^{\circ}C$ Voltage $T_J=125^{\circ}C$	I <sub>R</sub>	1 100							μA
Typical Junction Capacitance (Note 1)	C	35							pF
Typical Thermal Resistance (Note 2)	R <sub>eja</sub>	45							°C / W
Maximum Reverse Recovery Time (Note 3)	t <sub>rr</sub>	50 70						ns	
Operating Junction and Storage Temperature Range	T <sub>J</sub> ,T <sub>stg</sub>	-55 to +150							°C

#### NOTES:

1. Measured at 1 MHz and applied reverse voltage of 4 VDC.

2. Thermal Resistance from Junction to Ambient and from Junction to lead length 0.375"(9.5mm) P.C.B. mounted.

3. Reverse Recovery Time I\_F=0.5A ,I\_R=1A , I\_{rr}=0.25A

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