HER151 THRU HER158

HIGH EFFICIENCY PLASTIC RECTIFIER

VOLTAGE：50-1000V **CURRENT：1.5A**

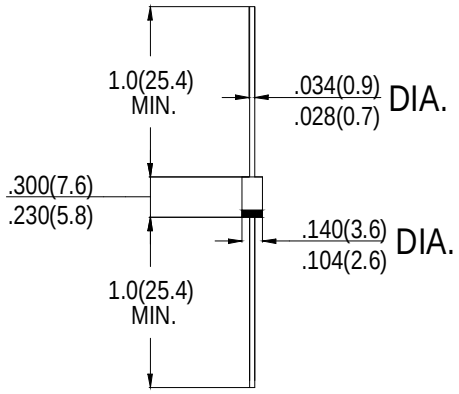
FEATURES

- Low power loss, high efficiency
- Low leakage
- Low forward voltage
- High current capability
- High speed switching
- High surge capability
- High reliability

MECHANICAL DATA

- ***Case***: Molded plastic
- ***Epoxy***: UL94V-0 rate flame retardant
- ***Lead***: MIL-STD- 202E, Method 208 guaranteed
- ***Polarity***:Color band denotes cathode end
- ***Mounting position***: Any
- ***Weight***: 0.38 grams

DO-15



Dimensions in inches and (millimeters)

MAXIMUM RATINGS AND ELECTRONICAL CHARACTERISTICS

Ratings at 25℃ ambient temperature unless otherwise specified.
Single phase, half wave, 60Hz,resistive or inductive load.
For capacitive load, derate current by 20%.

	SYMBOL	HER 151	HER 152	HER 153	HER 154	HER 155	HER 156	HER 157	HER 158	units
Maximum Recurrent Peak Reverse Voltage	V_{RRM}	50	100	200	300	400	600	800	1000	V
Maximum RMS Voltage	V_{RMS}	35	70	140	210	280	420	560	700	V
Maximum DC Blocking Voltage	V_{DC}	50	100	200	300	400	600	800	1000	V
Maximum Average Forward rectified Current at T_A=50°C	I_o	1.5								A
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rate load (JEDEC method)	I_{FSM}	50								A
Maximum Instantaneous forward Voltage at 1.5A DC	V_F	1.0			1.3		1.7			V
Maximum DC Reverse Current at Rated DC Blocking Voltage T_A=25°C	I_R	5.0								μA
Maximum Full Load Reverse Current Full Cycle Average,.375"(9.5mm) lead length at T_L=55°C		100								
Maximum Reverse Recovery Time (Note 1)	t_{rr}	50					75			nS
Typical Junction Capacitance (Note 2)	C_J	30					20			pF

Notes: 1.Test Conditions: I_F=0.5A, I_R=1.0A, I_{RR}=0.25A
2.Measured at 1MHz and applied reverse voltage of 4.0 volts

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