

HER601 - HER604

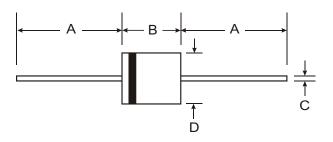
6.0A HIGH EFFICIENCY RECTIFIER

Features

- High Surge Current Capability
- Low Leakage and Forward Voltage Drop
- Plastic Material UL Flammability Classification 94V-0
- Low Power Loss, High Efficiency

Mechanical Data

- Case: Molded Plastic
- Terminals: Axial Leads, Solderable per MIL-STD-202, Method 208
- Polarity: Color Band Indicates Cathode
- Approx. Weight: 1.7 grams
- Mounting Position: Any



R-6					
Dim	Min	Мах			
Α	25.4	_			
В	8.6	9.1			
С	1.2	1.3			
All Dimensions in mm					

Maximum Ratings and Electrical Characteristics

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

Characteristic	Symbol	HER601	HER602	HER603	HER604	Units
Maximum Recurrent Peak Reverse Voltage		50	100	200	300	V
Maximum RMS Voltage		35	70	140	210	V
Maximum dc Blocking Voltage	V _{DC}	50	100	200	300	V
Maximum Average Forward Rectified Current (Fig. 1)	l(AV)	6.0				А
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	I _{FSM}	250			А	
Maximum Instantaneous Forward Voltage at 6.0Adc	VF	1.2			V	
Maximum dc Reverse Current at Rated dc Blocking Voltage T_{A} = 25°C		10				μA
Maximum Reverse Recovery Time (Note 1)		60				
Maximum Full Load Reverse Current Full Cycle Average 9.5mm lead length at TC = 55° C	I _R	150			μA	
Typical Junction Capacitance (Note 2)		100				pF
Operating and Storage Temperature Range		-65 to +150				°C

Notes:1. Reverse Recovery Test Conditions: IF =0.5 A, IR =1.0 A, IRR=0.25A2. Measured at 1.0 MHz and applied reverse voltage of 4.0 volts.



