



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



## Contact us

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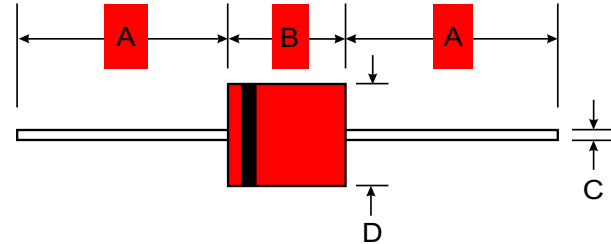
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### Features

- 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	Max
A	25.4	—
B	8.6	9.1
C	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	$V_{RRM}$	50	100	200	300	V
Maximum RMS Voltage	$V_{RSM}$	35	70	140	210	V
Maximum dc Blocking Voltage	$V_{DC}$	50	100	200	300	V
Maximum Average Forward Rectified Current (Fig. 1)	$I_{(AV)}$	6.0				A
Peak Forward Surge Current, 8.3ms single half sine-wave superimposed on rated load (JEDEC Method)	$I_{FSM}$	250				A
Maximum Instantaneous Forward Voltage at 6.0A dc	$V_F$	1.2				V
Maximum dc Reverse Current at Rated dc Blocking Voltage $T_A = 25^\circ\text{C}$	$I_R$	10				$\mu\text{A}$
Maximum Reverse Recovery Time (Note 1)	$T_{RR}$	60				ns
Maximum Full Load Reverse Current Full Cycle Average 9.5mm lead length at $T_C = 55^\circ\text{C}$	$I_R$	150				$\mu\text{A}$
Typical Junction Capacitance (Note 2)	$R_{\theta JA}$	100				pF
Operating and Storage Temperature Range	$T_J, T_{STG}$	-65 to +150				$^\circ\text{C}$

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

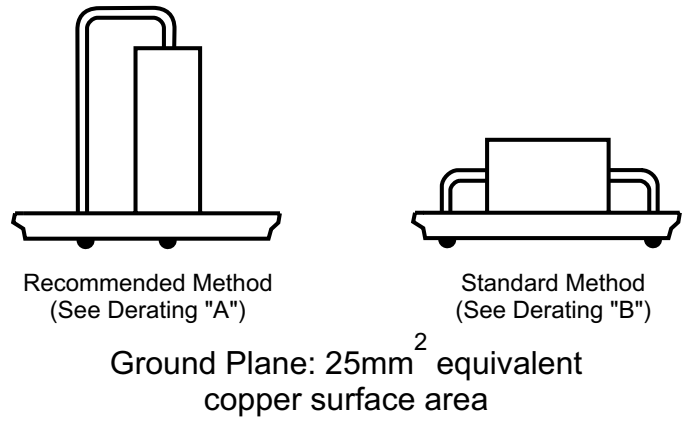
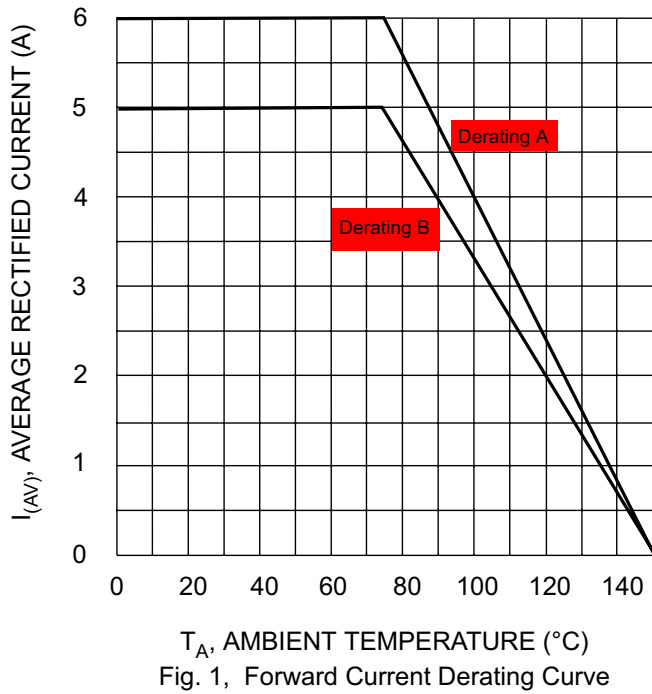


Fig. 2, Printed Circuit Board Mounting Method

