



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

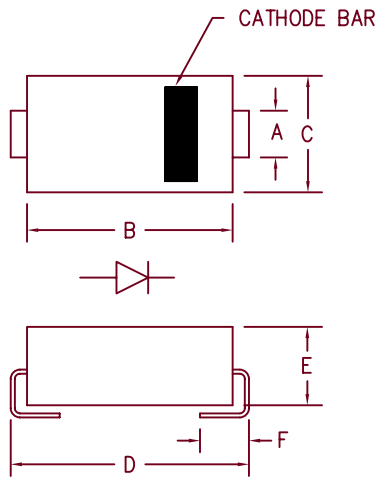
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3 Amp Schottky Rectifiers SK32B — SK310B



Dim.	Inches		Millimeter		Notes
	Minimum	Maximum	Minimum	Maximum	
A	.068	.087	1.73	2.21	
B	.157	.177	3.99	4.50	
C	.130	.155	3.30	3.94	
D	.194	.228	4.93	5.79	
E	.078	.115	1.98	2.92	
F	.030	.060	.760	1.52	

SMB
DO-214AA

Microsemi Catalog Number	Working Peak Reverse Voltage	Repetitive Peak Reverse Voltage
SK32B	20V	20V
SK33B	30V	30V
SK34B	40V	40V
SK36B	60V	60V
SK38B	80V	80V
SK310B	100V	100V

- Schottky Barrier Rectifier
- Low Forward Voltage Drop
- 20–100 Volts
- Low switching losses
- Round lead design

Electrical Characteristics

Average forward current	$I_F(AV)$	3.0A	$T_J = 120^\circ C$
Maximum surge current	I_{FSM}	100A	8.3ms half-sine
Max repetitive reverse current	$I_R(OV)$	2A	$f = 1KHZ, 25^\circ C, 1\mu s$ square wave
Max peak forward voltage (SK32B–SK34B)	V_{FM}	.50V	$I_{FM} = 3.0A; T_J = 25^\circ C^*$
Max peak forward voltage (SK36B)	V_{FM}	.75V	$I_{FM} = 3.0A; T_J = 25^\circ C^*$
Max peak forward voltage (SK38B–SK310B)	V_{FM}	.85V	$I_{FM} = 3.0A; T_J = 25^\circ C^*$
Max peak reverse current	I_{RM}	.5mA	$V_{RRM}, T_J = 25^\circ C$
Max peak reverse current	I_{RM}	20mA	$V_{RRM}, T_J = 100^\circ C^*$
Typical junction capacitance	C_J	250pF	$V_R = 5.0V, T_J = 25^\circ C$

*Pulse test: Pulse width 300 μ sec, Duty cycle 2%

Thermal and Mechanical Characteristics

Storage temperature range	T_{STG}	$-55^\circ C$ to $150^\circ C$
Operating junction temp range	T_J	$-55^\circ C$ to $125^\circ C$
Maximum thermal resistance	$R_{\theta JC}$	$10^\circ C/W$



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05-30-07 Rev. 2

SK32B — SK310B

Figure 1
Typical Forward Characteristics

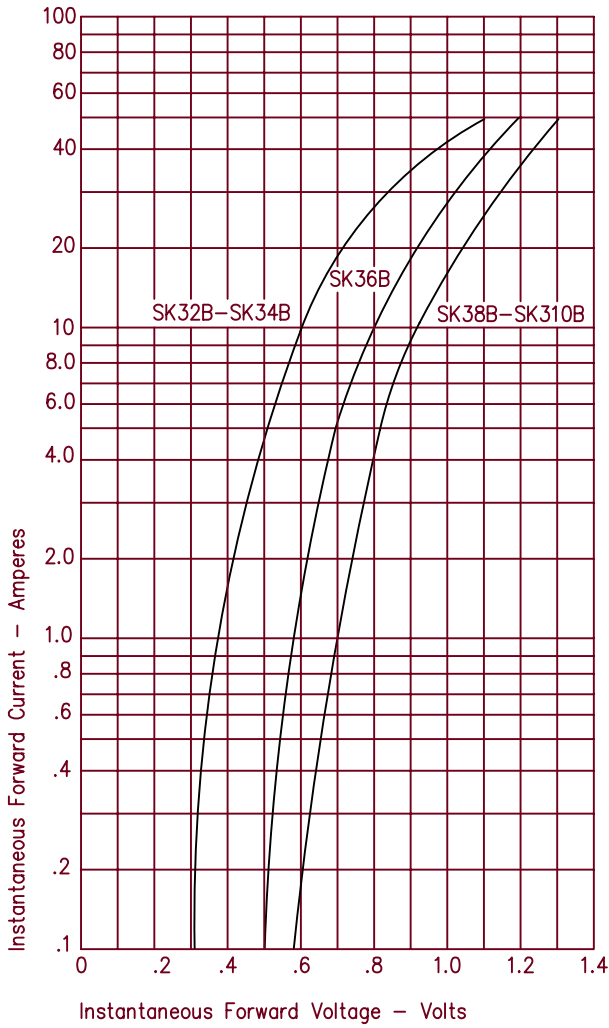


Figure 3
Typical Junction Capacitance

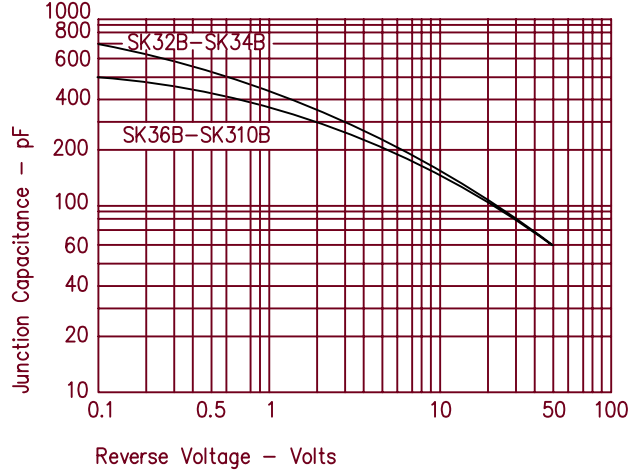


Figure 2
Typical Reverse Characteristics @ 100°C

