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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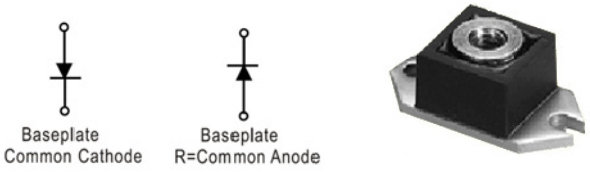
Silicon Power Schottky Diode

V_{RRM} = 150 V - 200 V
$I_{F(AV)}$ = 120 A

Features

- High Surge Capability
- Types from 150 V to 200 V V_{RRM}
- Not ESD Sensitive

D-67 Package



RoHS COMPLIANT

REACH COMPLIANCE

Maximum ratings, at T_j = 25 °C, unless otherwise specified ("R" devices have leads reversed)

Parameter	Symbol	Conditions	MBRH120150(R)	MBRH120200(R)	Unit
Repetitive peak reverse voltage	V_{RRM}		150	200	V
RMS reverse voltage	V_{RMS}		106	141	V
DC blocking voltage	V_{DC}		150	150	V
Operating temperature	T_j		-55 to 150	-55 to 150	°C
Storage temperature	T_{stg}		-55 to 150	-55 to 150	°C

Electrical characteristics, at Tj = 25 °C, unless otherwise specified

Parameter	Symbol	Conditions	MBRH120150(R)	MBRH120200(R)	Unit
Average forward current (per pkg)	$I_{F(AV)}$	T_C = 125 °C	120	120	A
Peak forward surge current	I_{FSM}	t_p = 8.3 ms, half sine	2000	2000	A
Maximum instantaneous forward voltage	V_F	I_{FM} = 120 A, T_j = 25 °C	0.88	0.92	V
Maximum instantaneous reverse current at rated DC blocking voltage	I_R	T_j = 25 °C T_j = 100 °C T_j = 150 °C	1 10 30	1 10 30	mA
Thermal characteristics					
Thermal resistance, junction-case	$R_{\Theta JC}$		0.48	0.48	°C/W

Figure .1- Typical Forward Characteristics

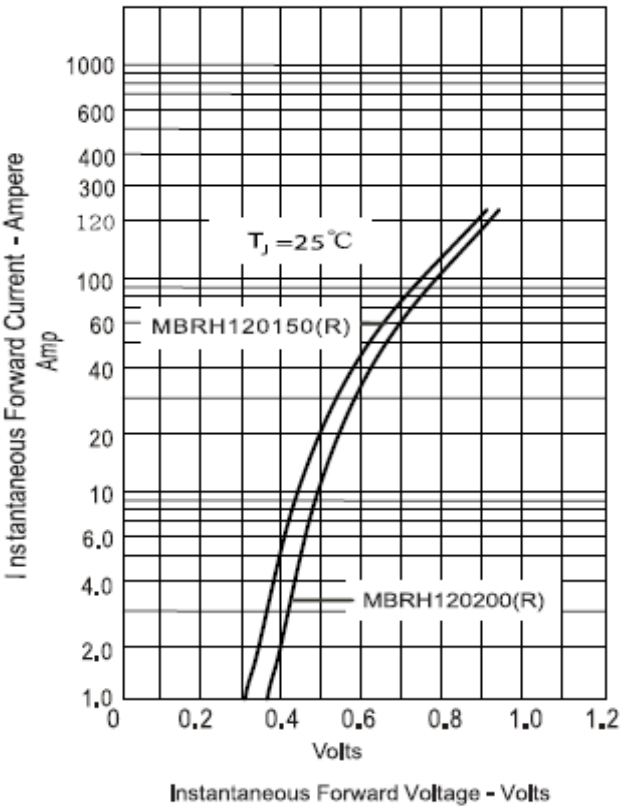


Figure .2- Forward Derating Curve

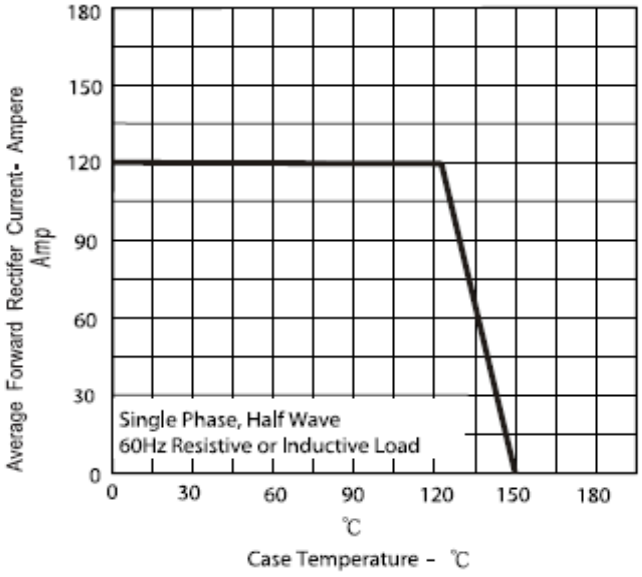


Figure .3- Peak Forward Surge Current

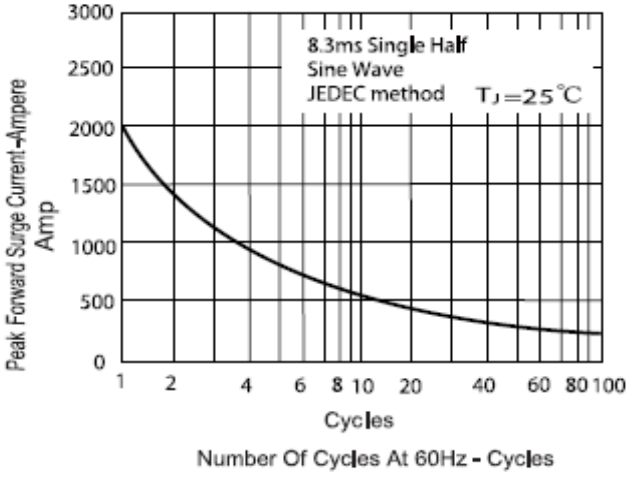
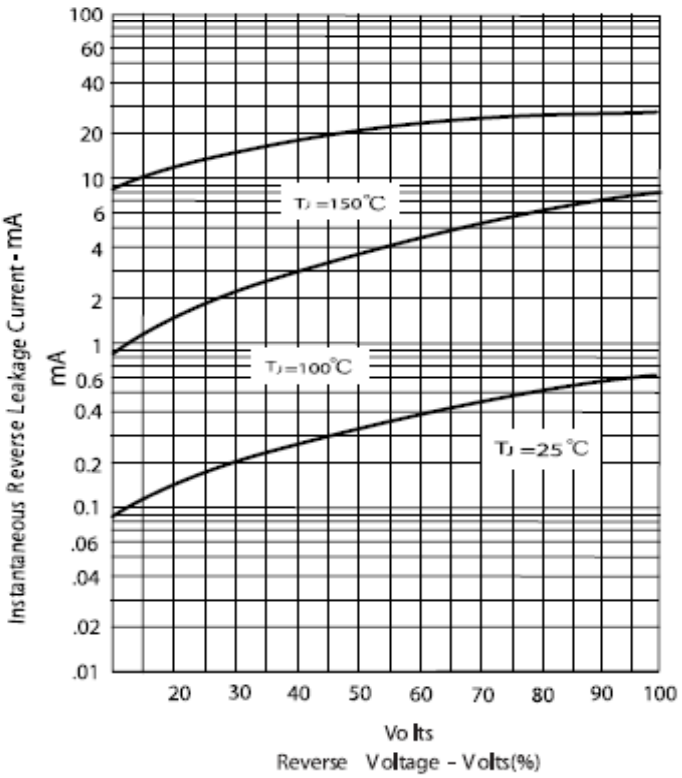
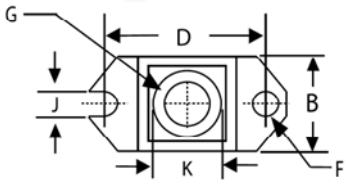


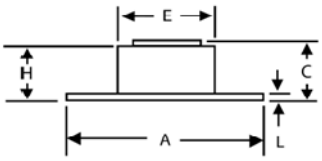
Figure .4- Typical Reverse Characteristics

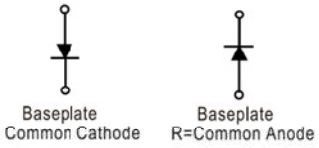


Package dimensions and terminal configuration

Product is marked with part number and terminal configuration.







DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	1.515	1.560	38.48	39.62	
B	.725	.775	18.42	19.69	
C	.595	.625	15.11	15.88	
D	1.182	1.192	30.02	30.28	
E	.736	.744	18.70	18.90	
F	.152	.160	3.86	4.061	Ø
G	1/4- 20 UNC				
H	.540	.580	13.72	14.73	
J	.156	.160	3.96	4.06	
K	.480	.492	12.20	12.50	Ø
L	.120	.130	3.05	3.30	