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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

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: [info@chipsmall.com](mailto:info@chipsmall.com) Web: [www.chipsmall.com](http://www.chipsmall.com)

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China

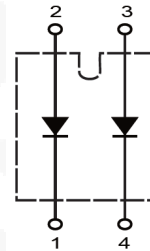


# Schottky Rectifier Module Type 160 A

 $V_{RRM} = 45 \text{ V}$ 
 $I_{F(AV)} = 160 \text{ A}$ 

## Features

- High Surge Capability
- Type 45 V  $V_{RRM}$
- Isolation Type Package
- Electrically Isolated Base Plate
- Not ESD Sensitive



SOT-227 Package



## Maximum ratings

Parameter	Symbol	Conditions	Value	Unit
Maximum recurrent peak reverse voltage	$V_{RRM}$		45	V
Maximum DC blocking voltage	$V_{DC}$		45	V
Maximum RMS Voltage	$V_{RMS}$		32	V
Operating temperature	$T_j$		-40 to 150	°C
Storage temperature	$T_{stg}$		-40 to 150	°C

## Electrical characteristics at 25 °C, unless otherwise specified

Parameter	Symbol	Conditions	Value	Unit
Average forward current (per pkg)	$I_{F(AV)}$	$T_C = 110 \text{ °C}$	160	A
Peak forward surge current (per leg)	$I_{FSM}$	8.3 ms, half sine	900	A
Maximum instantaneous forward voltage* (per leg)	$V_F$	$I_{FM} = 80 \text{ A}, T_j = 25 \text{ °C}$	0.70	V
		$I_{FM} = 80 \text{ A}, T_j = 125 \text{ °C}$	0.62	V
Maximum instantaneous reverse current at rated DC blocking voltage (per leg)	$I_R$	$T_j = 25 \text{ °C}$	1	mA
		$T_j = 100 \text{ °C}$	10	mA
		$T_j = 150 \text{ °C}$	30	mA
Isolation voltage	$V_{ISO}$	A.C. 1 minute	2500	V

## Thermal characteristics

Maximum thermal resistance junction to case (per leg)	$R_{\theta jc}$	0.60	°C/W
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\* Pulse Test: Pulse width 300  $\mu$ s, Duty < 2 %

Figure.1 - Typical Forward Characteristics

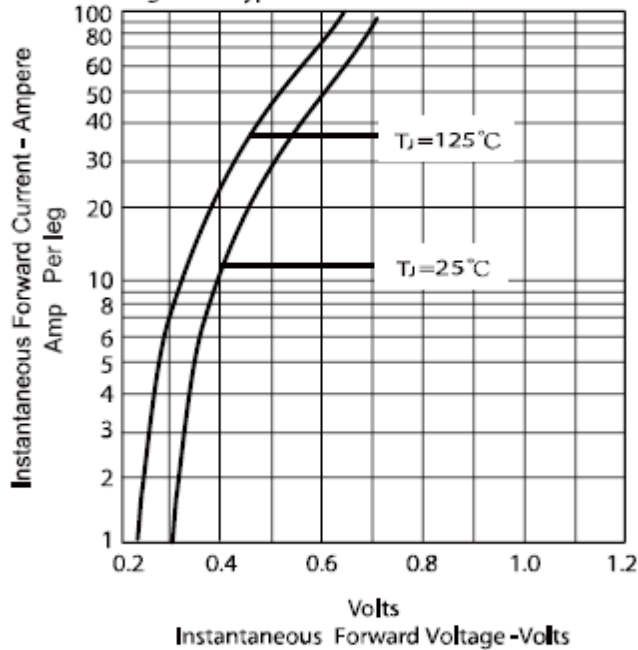


Figure .2- Forward Derating Curve

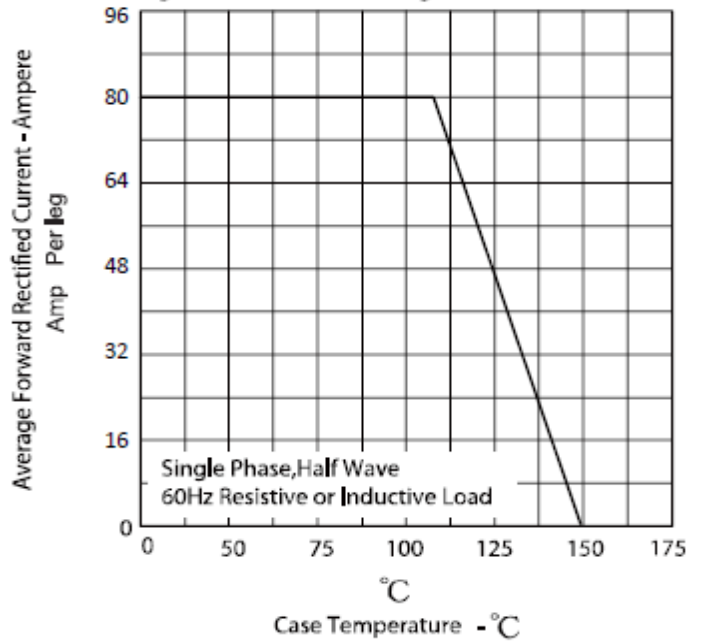


Figure.3 - Peak Forward Surge Current

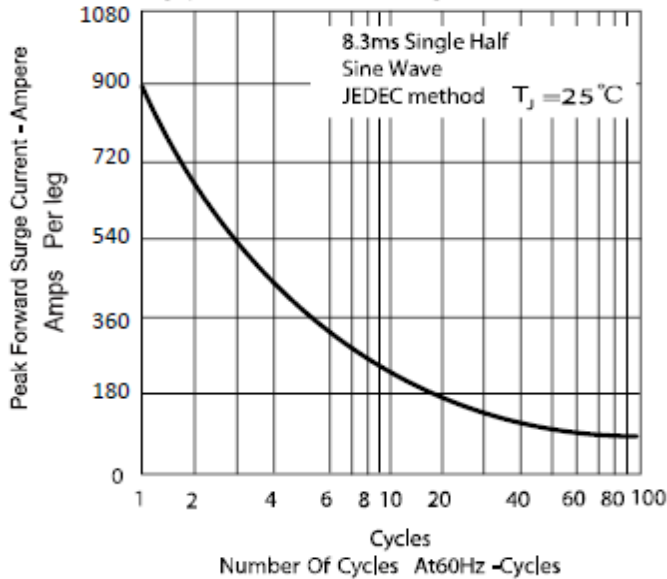
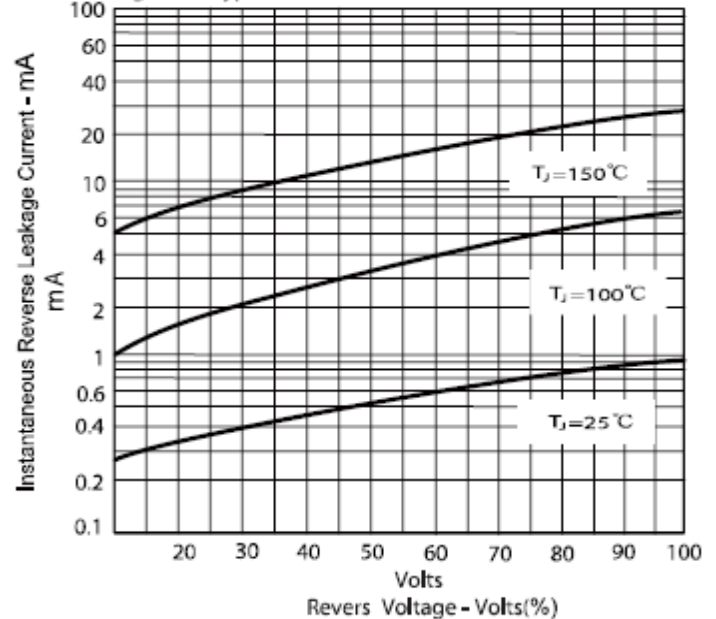


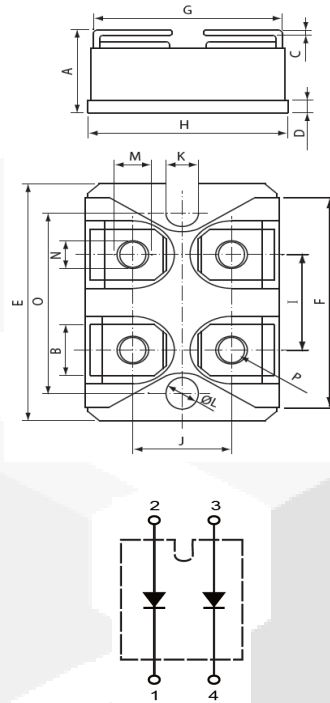
Figure.4 - Typical Reverse Characteristics





## Package dimensions and terminal configuration

Product is marked with part number and terminal configuration.



DIMENSIONS				
DIM	INCHES		MM	
	MIN	MAX	MIN	MAX
A	.500	.519	12.70	13.20
B	.307	.322	7.80	8.20
C	.029	.033	.75	.84
D	.077	.082	1.95	2.10
E	1.487	1.502	37.80	38.20
F	1.250	1.258	31.75	32.00
G	.931	.956	23.65	24.30
H	.996	1.007	25.30	25.60
I	.586	.594	14.90	15.10
J	.492	.516	12.50	13.10
K	.161	.169	4.10	4.30
L	.161	.169	4.10	4.30
M	.181	.191	4.60	4.95
N	.165	.177	4.20	4.50
O	1.184	1.192	30.10	30.30
P	M4*8			