RBR10T40ANZC9
Schottky Rectifier Diodes

Features

Low power loss,high efficiency.

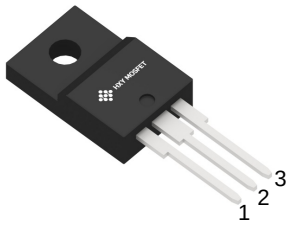
High surge capacity

For use in low voltage,high frequency inverters,
free wheeling,and polarity protection applications.

Metal silicon junction,majority carrier conduction.

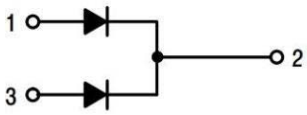
High current Capability,low forward voltage drop.

Guard ring for over voltage protection.



TO-220F

PIN CONNECTIONS



Absolute Maximum Ratings (T_C=25°C)

Parameter		Symbol	Limit	Unit
Maximum Recurrent Peak Reverse Voltage		V_{RRM}	45	V
Maximum RMS Voltage		V_{RMS}	31.5	V
Maximum DC Blocking Voltage		$V_{R(DC)}$	45	V
Maximum Average Forward Current		$I_{F(AV)}$	10	A
Peak Forward Surge Current:8.3ms single half sine-wave superimposed on rated load (JEDEC method)		I_{FSM}	150	A
Maximum Forward Voltage at 5A per leg		V_F	0.65	V
Maximum DC Reverse Current at Rated DC Blocking Voltage	Tj=25°C	I_R	0.1	mA
	Tj=125°C		20	mA
Maximum Operating Junction Temperature		T_j	150	°C
Storage Temperature		T_{stg}	-55~+ 150	°C
Typical Thermal Resistance		$R_{\theta JC}$	1.4	°C/W

Typical Characteristics

FIG. 1- FORWARD CURRENT DERATING CURVE

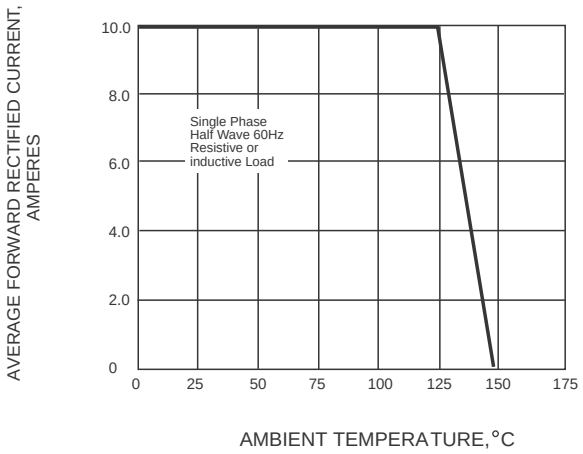


FIG. 2-MAXIMUM NON-REPETITIVE PEAK FORWARD SURGE CURRENT

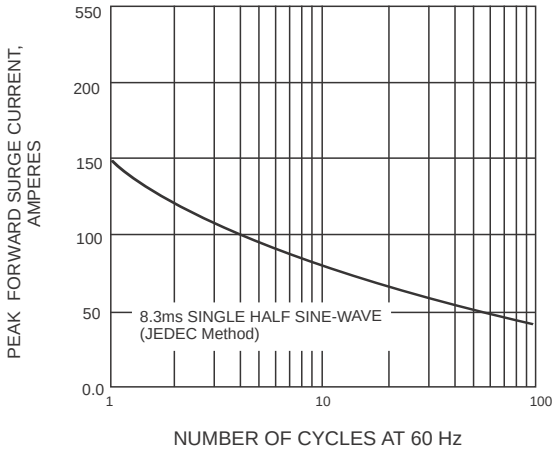


FIG. 3-TYPICAL INSTANTANEOUS FORWARD CHARACTERISTICS

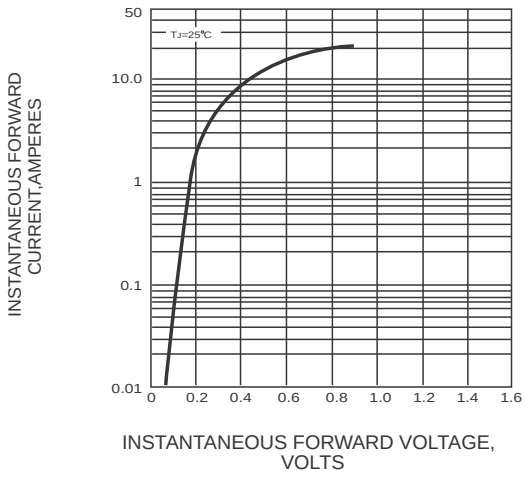
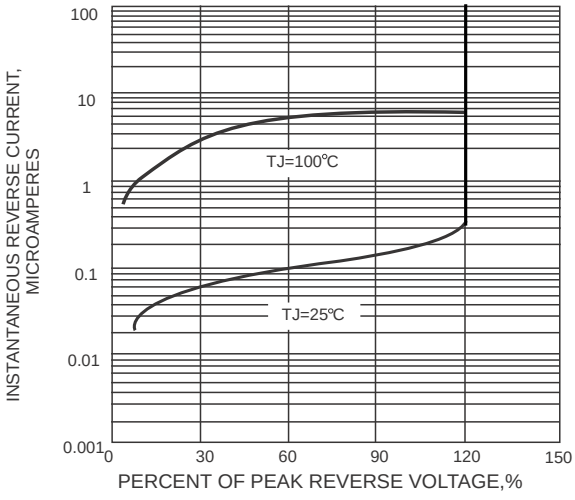
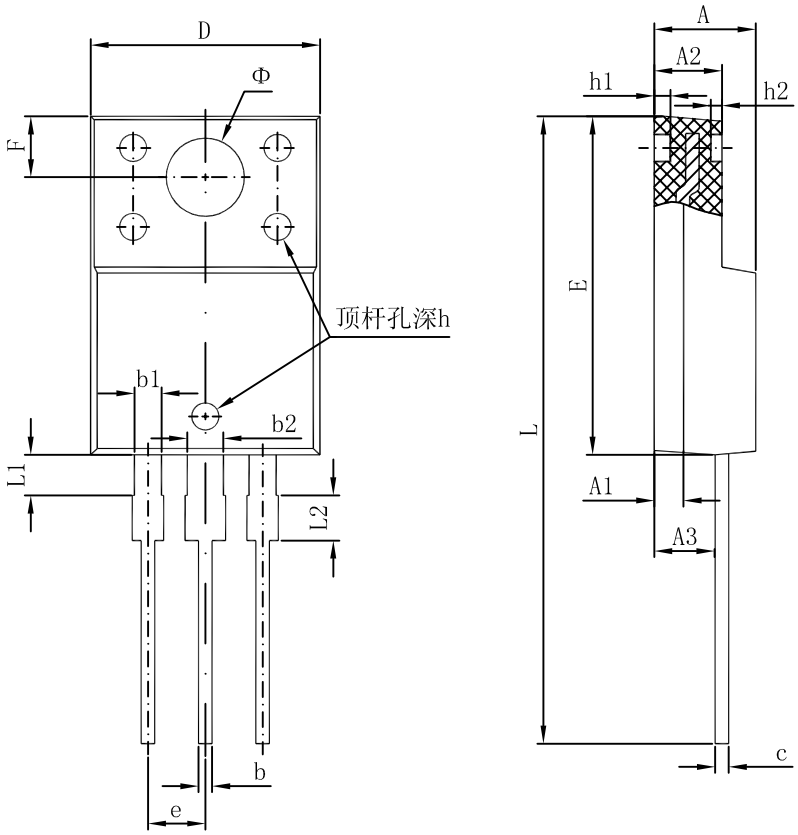


FIG. 4-TYPICAL REVERSE CHARACTERISTICS



TO-220F Package Information



Symbol	Dimensions In Millimeters		Dimensions In Inches	
	Min.	Max.	Min.	Max.
A	4.300	4.700	0.169	0.185
A1	1.300 REF.		0.051 REF.	
A2	2.800	3.200	0.110	0.126
A3	2.500	2.900	0.098	0.114
b	0.500	0.750	0.020	0.030
b1	1.100	1.350	0.043	0.053
b2	1.500	1.750	0.059	0.069
c	0.500	0.750	0.020	0.030
D	9.960	10.360	0.392	0.408
E	14.800	15.200	0.583	0.598
e	2.540 TYP.		0.100 TYP.	
F	2.700 REF.		0.106 REF.	
Φ	3.500 REF.		0.138 REF.	
h	0.000	0.300	0.000	0.012
h1	0.800 REF.		0.031 REF.	
h2	0.500 REF.		0.020 REF.	
L	28.000	28.400	1.102	1.118
L1	1.700	1.900	0.067	0.075
L2	1.900	2.100	0.075	0.083

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HXY MOSFET:

HACPDQC5V0-HF HESDSLC3V3D3B PESDLC2FD3V3BH HSD15C.TCT HSTS521050B331 HESD36VD3B HLY323BC1524L HPTVSUC3D5VB HSG3D15B3.3MA PESDNC2XD5VBL RLSD32A121V AZ4836-01L ESD5LM5.0C-HXY PJSD24CW_R1 TPSMB100CA-VR TPSMB28A-VR AQ15C-01FTG BV05C-H ESD5L5.0C-HXY PESDNC2XD5VBF 60N06 HCEZ36V,L3F HRCLAMP3371ZCTFT LM393DR-HXY PJEC5V0M1FN2 HAZ4007-01H HSEN2411D3 AZ4007-01H HSEN3611D3 PESDSC2FD5VU