

MBRD1040

Rev.H Oct.-2024

5 é / Descriptions

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TO-252 Plastic package Schottky diode.

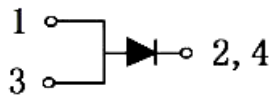
αª / Features

z 3 g 9 k z ôk | ää k)í D }o
Low forward voltage drop, low power losses, High efficiency operation, HF Product.

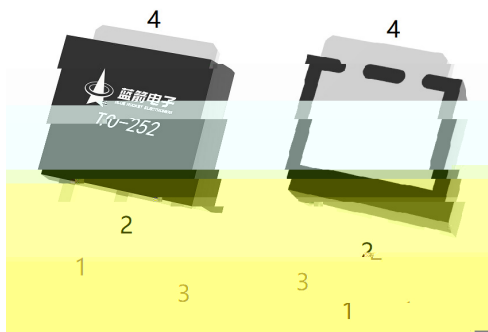
Đ ÷ / Applications

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

Ã W]Ô. / Equivalent Circuit



•Ô - æ / Pinning



PIN1 yAnode

PIN 2,4 yCathode

PIN 3 yAnode

, M V / Marking

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See Marking Instructions.

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DATA SHEET

@ Parameter	Z Symbol	Rating	% y Unit
Peak Repetitive Reverse Voltage Working Peak Reverse Voltage DC Reverse Voltage	V_{RRM} V_{RWM} V_{DC}	40	V
RMS Reverse Voltage	V_{RMS}	31.5	V
Average forward rectified Current	$I_{F(AV)}$	1 h 10	A
Non Repetitive Peak Surge Current	I_{FSM}	100	A
Thermal Resistance Junction to Case	R_{Jc}	2	/W
Junction and Storage Temperature Range	$T_j T_{stg}$	-55~+150	

∅ □ =) ∅ / Package Dimensions

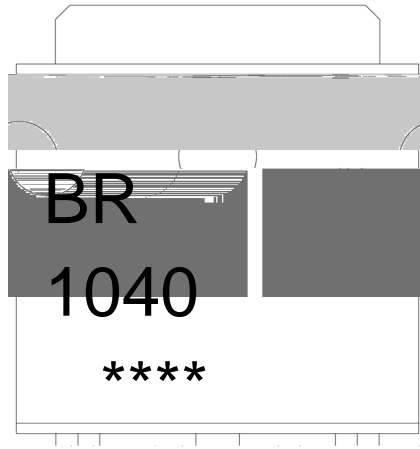


单位: mm

Symbol	Min	Max	Symbol	Min
A	2.30	2.40	F	5.95
B	0.50	0.53	G	4.75
b1	0.45	0.55	H	9.95
C	0.50	0.53	I	0.40
D	0.60	0.65	J	0.35
E	0.60	0.65	K	0.00

10-252

, M y f / Marking Instructions



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BR y , [W A
1040 y " Z W A
y ÿD Z W A k ÿD Z J

Note:
BR: Company Code
1040: Product Type Code
****: Lot No. Code, code change with Lot No

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