

# MBRD1040

Rev.H Oct.-2024

## 5 é / Descriptions

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TO-252 Plastic package Schottky diode.

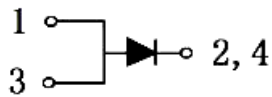
## αª / Features

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Low forward voltage drop, low power losses, High efficiency operation, HF Product.

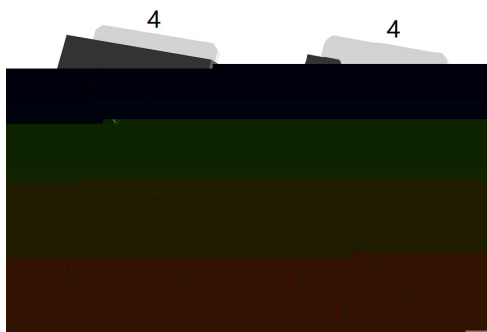
## Đ ÷ / Applications

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

## Ã W]Ô· / Equivalent Circuit



## •Û - æ / Pinning



PIN1 yAnode

PIN 2,4 yCathode

PIN 3 yAnode

## , M V / Marking

- ~ " ¢o  
See Marking Instructions.

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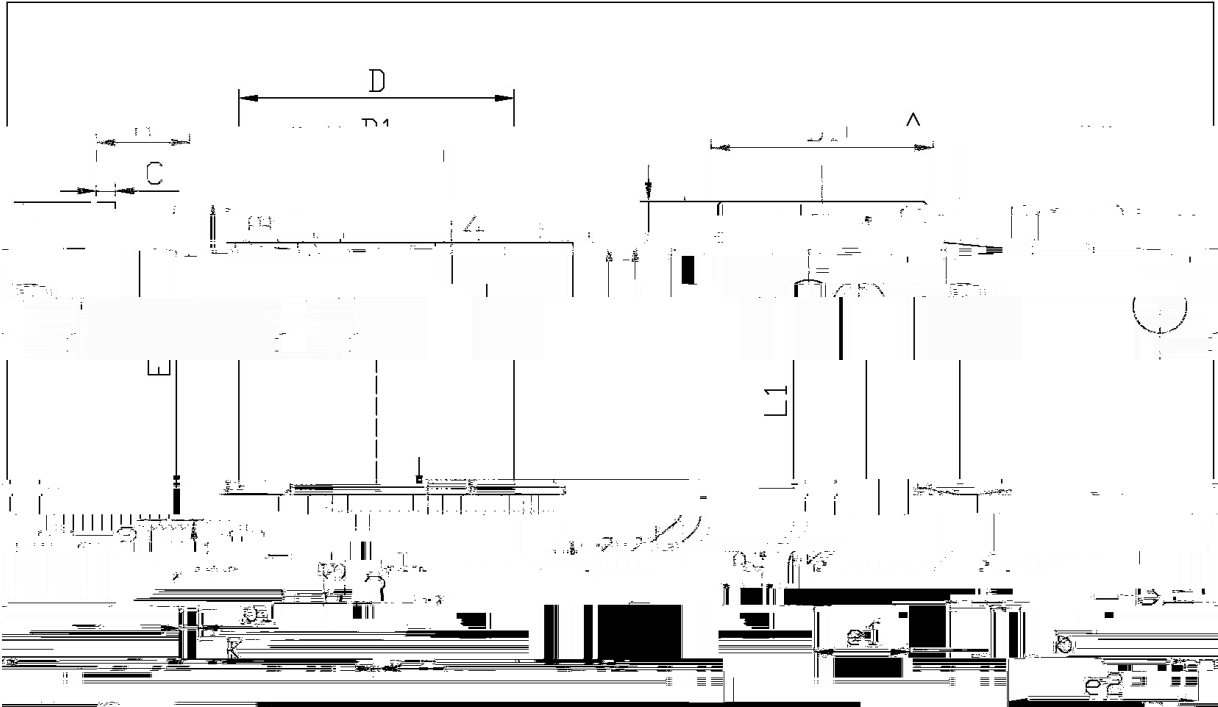


DATA SHEET

@ 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

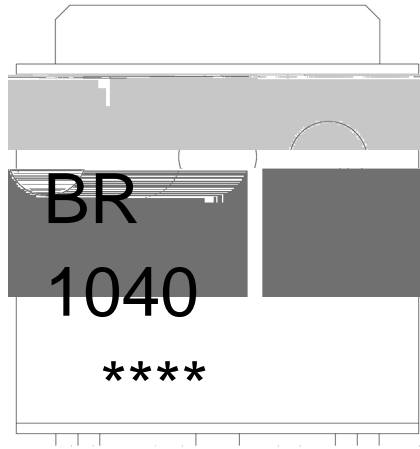


单位: mm

Symbol	Min	Max	Symbol	Min
A	2.30	2.40	F	5.95
B	0.50	0.53	G	4.75
C	0.45	0.55	H	9.95
D	5.16	5.50	I	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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