## 5 é / Descriptions

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TO-252 Plastic package Schottky diode.

## ¤ª / Features

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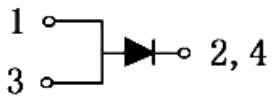
Low forward voltage drop,low power losses,High efficiency operation, HF Product.

## Ð ÷ / Applications

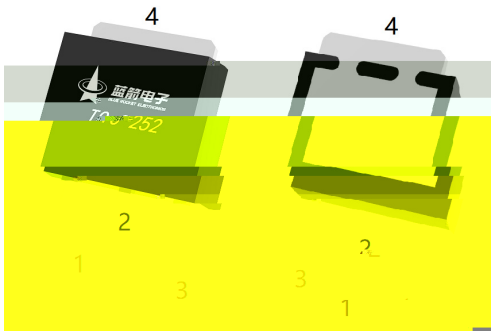
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For use in low voltage,high frequency inverters,free wheeling,and polarity protection applications.

## Ã W ] Ô · / Equivalent Circuit




## • Û - æ / Pinning




PIN1 yAnode PIN 2,4 yCathode PIN 3 yAnode

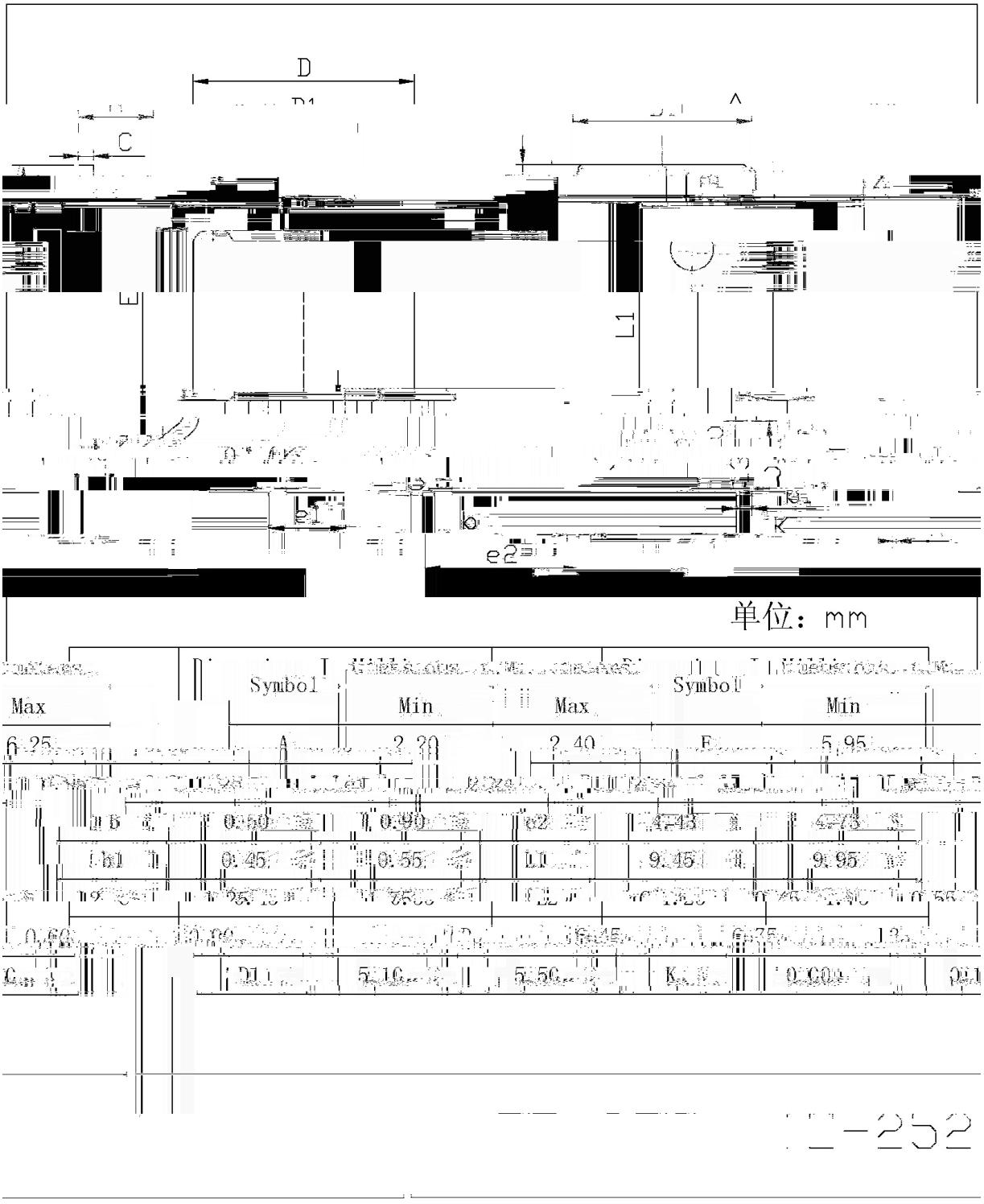
## , M V / Marking

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See Marking Instructions.

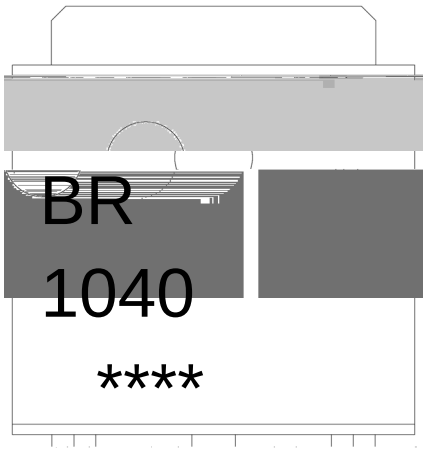
| @<br>Parameter | Z<br>Symbol | Rating | % y<br>Unit |
|---|---|---|---|
| Peak Repetitive Reverse Voltage<br>Working Peak Reverse Voltage<br>DC Reverse Voltage | $V_{RRM}$<br>$V_{RWM}$<br>$V_{DC}$ | 40 | V |
| RMS Reverse Voltage | $V_{RMS}$ | 31.5 | V |
| Average forward rectified Current | $I_{F(AV)}$ | 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 | |

## Ø ¤ = ) ¢ / Package Dimensions




| Symbol | Min | Max | Symbol | Min | Max |
|---|---|---|---|---|---|
| A | 2.20 | 2.40 | E | 5.95 | 6.25 |
| b | 0.50 | 0.90 | e2 | 4.43 | 4.73 |
| b1 | 0.45 | 0.55 | L1 | 9.45 | 9.95 |
| c | 0.40 | 0.60 | L2 | 1.20 | 1.40 |
| D | 6.45 | 6.75 | L3 | 0.50 | 0.70 |
| D1 | 5.10 | 5.50 | K | 0.000 | 0.127 |

## , M y ƒ / Marking Instructions




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BR y , [ W A

1040 y ” Z W A

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Note:

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