

**MB24S~MB220S**

Rev.A Mar.-20

# MB24S~MB220S

Rev.A Mar.-2021

## / Descriptions

2A 表面贴装肖特基整流桥，MBS 封装。  
2A surface mount schottky bridge, MBS package.

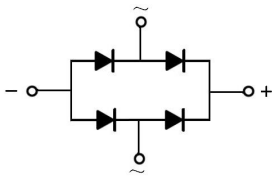
## / Features

反向电压：40V~200V，正向电流：2A，浪涌电流大，适用于表面贴装，无卤产品。  
Reverse Voltage: 40 to 200V, Forward Current: 2 A, High Surge Current Capability, Designed for Surface Mount Application, Halogen free product.

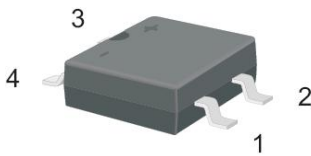
## / Applications

一般用途。  
General purpose.

## / Equivalent Circuit



## / Pinning



| PIN | DESCRIPTION          |
|-----|----------------------|
| 1   | Input Pin ( ~ )      |
| 2   | Input Pin ( ~ )      |
| 3   | Output Anode ( + )   |
| 4   | Output Cathode ( - ) |

## / Marking

见印章说明。 See Marking Instructions.

# MB24S~MB220S

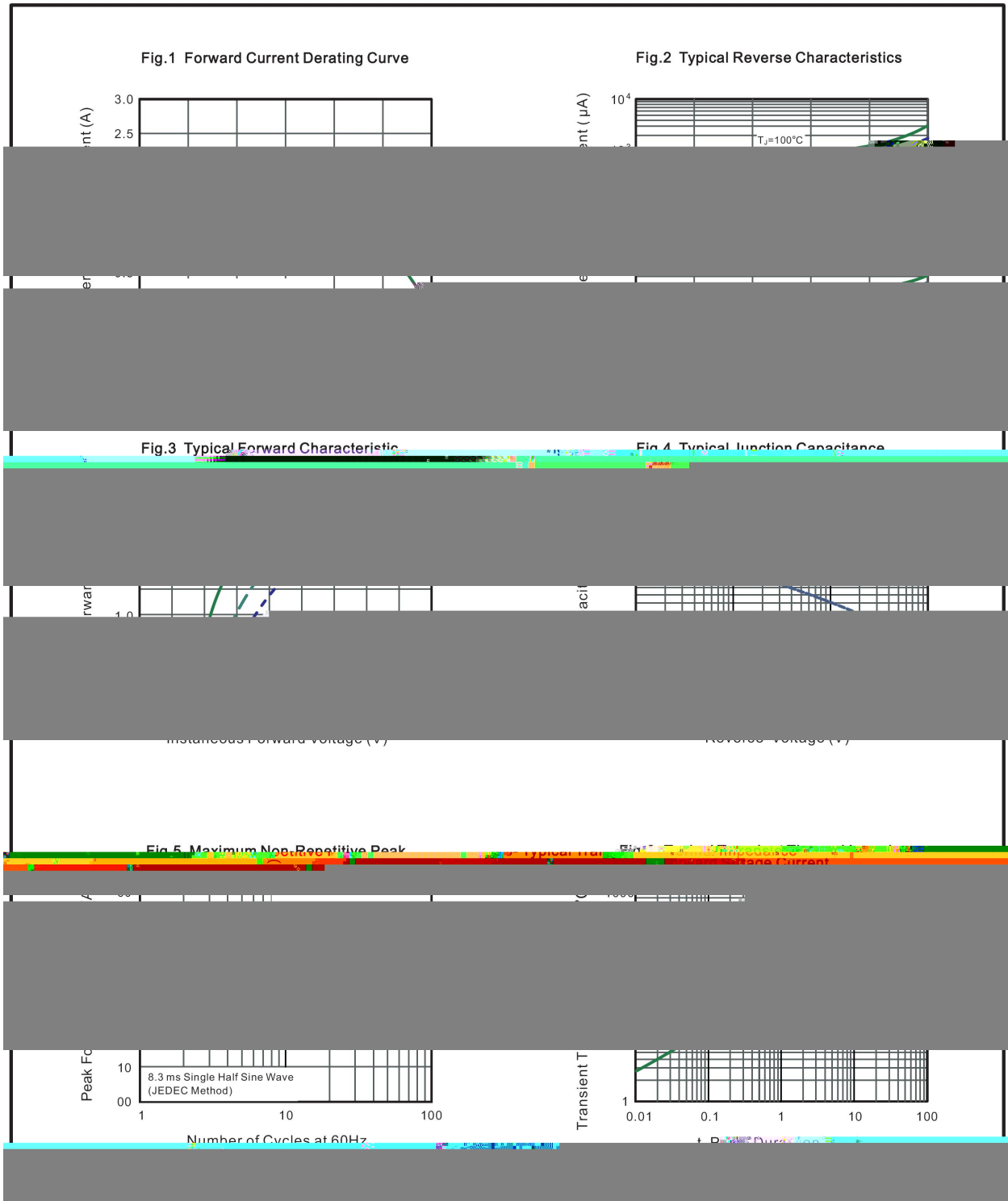
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DATA SHEET

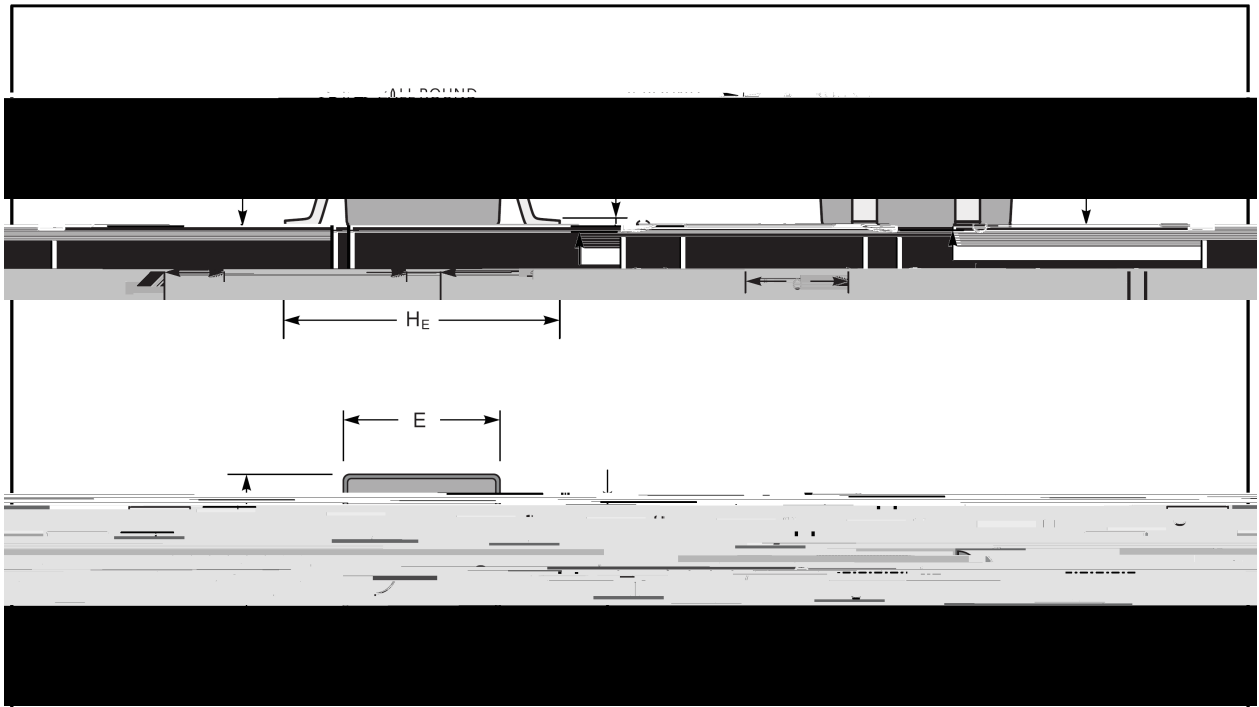
| 参数<br>Parameter                         | 符号<br>Symbol | 数值<br>Rating |       |       |        |        | 单位<br>Unit |
|---|--------------|--------------|-------|-------|--------|--------|------------|
|   |              | MB24S        | MB26S | MB28S | MB210S | MB220S |            |
| Maximum Repetitive Peak Reverse Voltage | $V_{RRM}$    | 40           | 60    | 80    | 100    | 200    | V          |
| Maximum RMS voltage                     | $V_{RMS}$    | 28           | 42    | 56    | 70     | 140    | V          |

**/ Electrical Characteristic Curve**



**/ Package Dimensions**

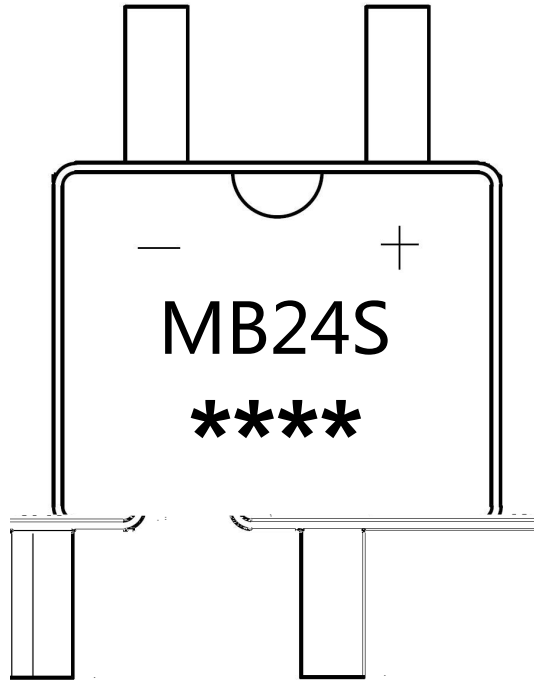
MBS



MBS mechanical data

| UNIT |     | A  | C    | D   | E   | $H_E$ | d   | e   | L   | $L_1$ | a   | $\angle$ |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|------|-----|--|------|-----|-----|-------|-----|-----|-----|-------|-----|----------|------|--|---|---|---|---|-------|---|---|---|-------|---|----------|-----|-----|-----|---|-----|-----|-----|-----|----|----|----|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
| mm   | max | 2.6  | 0.22 | 5.0 | 4.1 | 7.0   | 2.7 | 0.7 | 1.7 | 1.1   | 0.2 |          |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|      |     |  |      |     |     |       |     |     |     |       |     |          |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|      |     | <table border="1"> <thead> <tr> <th>UNIT</th> <th></th> <th>A</th> <th>C</th> <th>D</th> <th>E</th> <th><math>H_E</math></th> <th>d</th> <th>e</th> <th>L</th> <th><math>L_1</math></th> <th>a</th> <th><math>\angle</math></th> </tr> </thead> <tbody> <tr> <td rowspan="2">mil</td> <td>max</td> <td>102</td> <td>9</td> <td>200</td> <td>165</td> <td>276</td> <td>107</td> <td>28</td> <td>67</td> <td>44</td> <td>8</td> <td></td> </tr> <tr> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table> |      |     |     |       |     |     |     |       |     |          | UNIT |  | A | C | D | E | $H_E$ | d | e | L | $L_1$ | a | $\angle$ | mil | max | 102 | 9 | 200 | 165 | 276 | 107 | 28 | 67 | 44 | 8 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| UNIT |     | A  | C    | D   | E   | $H_E$ | d   | e   | L   | $L_1$ | a   | $\angle$ |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
| mil  | max | 102  | 9    | 200 | 165 | 276   | 107 | 28  | 67  | 44    | 8   |          |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |
|      |     |  |      |     |     |       |     |     |     |       |     |          |      |  |   |   |   |   |       |   |   |   |       |   |          |     |     |     |   |     |     |     |     |    |    |    |   |  |  |  |  |  |  |  |  |  |  |  |  |  |

/ Marking Instructions



说明：

MB24S： 为型号代码

\*\*\*\*： 为生产批号追溯码，第 1 个 为年月代码，后面 3 个 为当月小批号代码

Note:

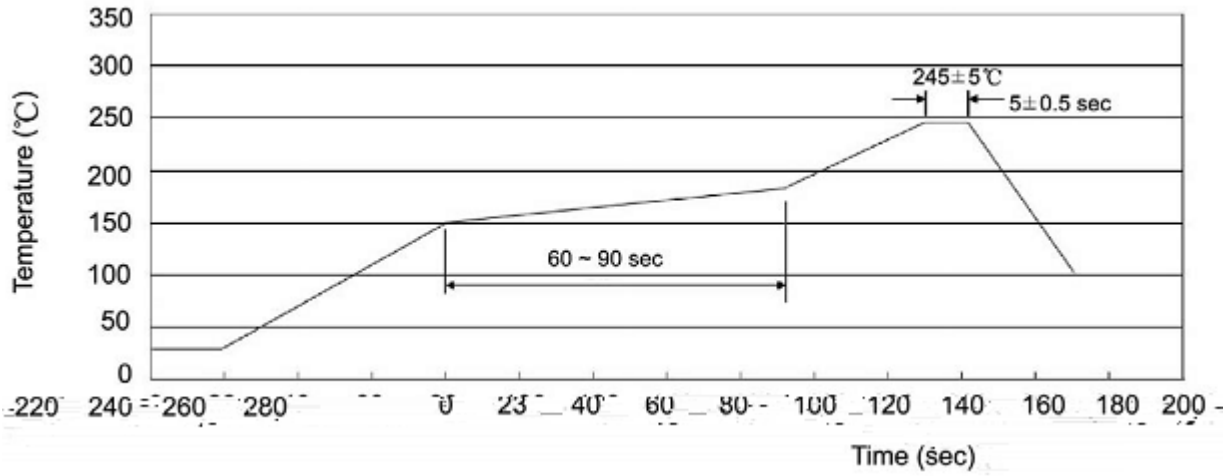
MB24S： Product Type Code

\*\*\*\*： Lot No. Code , The 1st means:YM Code , The last 3 means:little Lot No Code

### Marking

| Type number | Marking code |
|-------------|--------------|
| MB24S       | MB24S        |
| MB26S       | MB26S        |
| MB28S       | MB28S        |
| MB210S      | MB210S       |
| MB220S      | MB220S       |

( ) /



Note:

- |   |       |     |           |  |                                       |
|---|-------|-----|-----------|--|---------------------------------------|
| 1 | 25    | 150 | 60        | 90sec;                                   | 1.Preheating:25~150°C, Time:60~90sec. |
| 2 | 245±5 |     | 5±0.5sec; | 2.Peak Temp.:245±5°C, Duration:5±0.5sec. |                                       |
| 3 |       | 2   | 10°C/se   | r  |                                       |