



## Switching Diodes

### Features

- Epoxy meets UL-94 V-0 flammability rating
- Surface mount package ideally Suited for Automatic Insertion
- Moisture Sensitivity Level 1

### Mechanical Data

- **Package:** SOT-363
- **Terminals:** Tin plated leads, solderable per  
J-STD-002 and JESD22-B102
- **Mark** :



## MMBD4448 HSDW/ HTW/ HAQW/ HADW/ HCDW

### ■ Maximum Ratings (Ta=25 Unless otherwise specified)

| PARAMETER                                  |                 | UNIT |                                     |           |
|--------------------------------------------|-----------------|------|-------------------------------------|-----------|
| Non-Repetitive peak reverse voltage        | $V_{RM}$        | V    |                                     | 100       |
| Repetitive peak reverse voltage            | $V_{RRM}$       | V    |                                     | 80        |
| Reverse voltage                            | $V_R$           | V    |                                     | 80        |
| Peak forward surge current                 | $I_{FSM}$       | A    | Pulse width=1 us<br>Pulse width=1 s | 2<br>0.5  |
| Average forward current                    | $I_{FAV}$       | mA   |                                     | 150       |
| Power dissipation                          | $P_D$           | mW   |                                     | 200       |
| Thermal Resistance Junction to Ambient Air | $R_{\theta JA}$ | /W   |                                     | 625       |
| Maximum junction temperature               | $T_j$           |      |                                     | -55 ~+150 |
| Storage temperature range                  | $T_{stg}$       |      |                                     | -55 ~+150 |







## Disclaimer

The information presented in this document is for reference only. Yangzhou Yangjie Electronic Technology Co., Ltd. reserves the right to make changes without notice for the specification of the products displayed herein to improve reliability, function or design or otherwise.

The product listed herein is designed to be used with ordinary electronic equipment or devices, and not designed to be used with equipment or devices which require high level of reliability and the malfunction of which would directly endanger human life (such as medical instruments, transportation equipment, aerospace machinery, nuclear-reactor controllers, fuel controllers and other safety devices), Yangjie or anyone on its behalf, assumes no responsibility or liability for any damages resulting from such improper use of sale.

This publication supersedes & replaces all information previously supplied. For additional information, please visit our website [http:// www.21yangjie.com](http://www.21yangjie.com) , or consult your nearest Yangjie's sales es s