SHI LING® ZHEJIANG HILING EMICONDUCTO CO.,LTD.

# Specifcation of products

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: MURPp00p00CI

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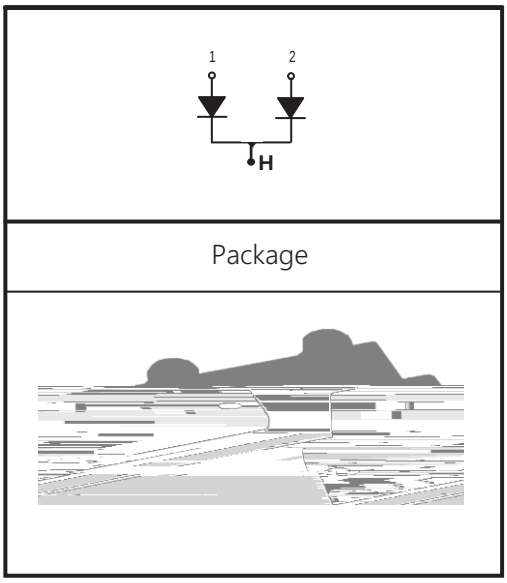
# Ultra-Fast Soft Recovery Diode Module

## Description

Please see the package Out line information

## Equivalent Circuitand Package

Equivalent Circuit




$T_j$
T

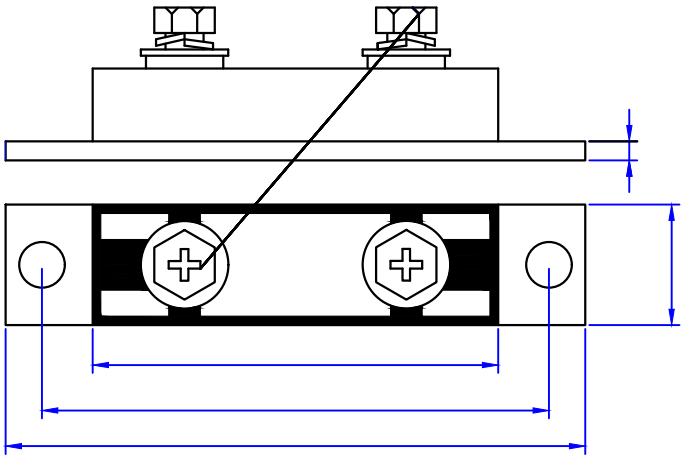
## Thermal Characteristics

| Symbol | Parameter | Conditions | Values | | | Unit |
|---|---|---|---|---|---|---|
| | | | Min. | Typ. | Max. | |
| $R_{th(j-c)}$ | Thermal Resistance | Junction to Case | - | - | 0.15 | °C/W |

## Electrical Characteristics @ $T_j$=25°C (unless otherwise specified)

| Symbol | Parameter | Conditions | | Values | | | Unit |
|---|---|---|---|---|---|---|---|
| | | | | Min. | Typ. | Max. | |
| $V_R$ | Cathode Anode Breakdown Voltage | $I_R$= 100uA | | 400 | - | - | V |
| $V_{FM}$ | Maximum Forward Voltage | $I_{FM}$= 200A, $T_c$ = 25°C | | - | 1.4 | 1.5 | V |
| | | $I_{FM}$= 200A, $T_c$ =100°C | | - | 1.2 | 1.4 | V |
| $I_{RRM}$ | Repetitive Peak Reverse Current | $T_C$= 100°C, $V_{RRM}$ applied | | - | - | 8.5 | mA |
| $T_{rr}$ | Reverse Recovery Time | $I_{FM}$= 200A, $V_R$= 400V di/dt=-100A/us | $T_C$= 25°C | - | 80 | 85 | ns |
| | | | $T_C$= 100°C | - | 100 | - | ns |

## Package Outlines



Unit:mm

