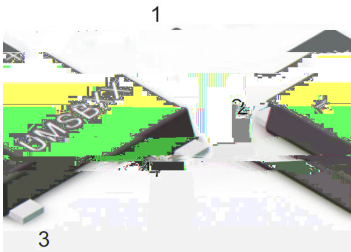


## / Descriptions

## / Features

## / Applications



## / Marking

/ Absolute Maximum Ratings(Ta=25 )

|     |  |  |  |  |  |  |  |   |
|-----|--|--|--|--|--|--|--|---|
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| ( ) |  |  |  |  |  |  |  |   |
|     |  |  |  |  |  |  |  | ℃ |

/ Electrical Characteristics(Ta=25 )

|  |  |   |  |   |
|--|--|---|--|---|
|  |  |   |  |   |
|  |  |   |  |   |
|  |  | ℃ |  | μ |
|  |  | ℃ |  |   |

/ Electrical Characteristic Curve

Fig.1 Average Rectified Output Current Derating Curve

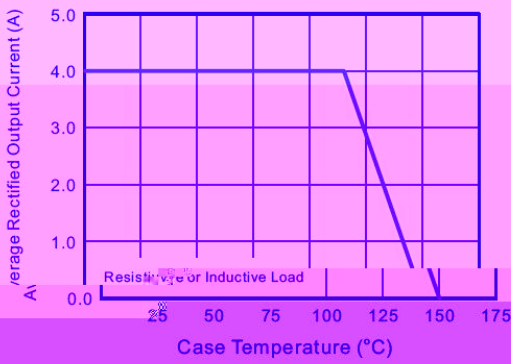


Fig.2 Typical Static Reverse Characteristics

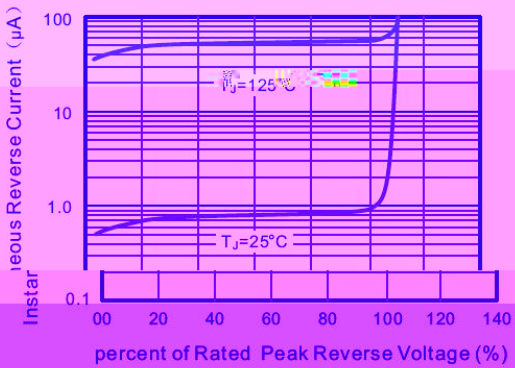


Fig.3 Typical Instantaneous Forward Characteristics

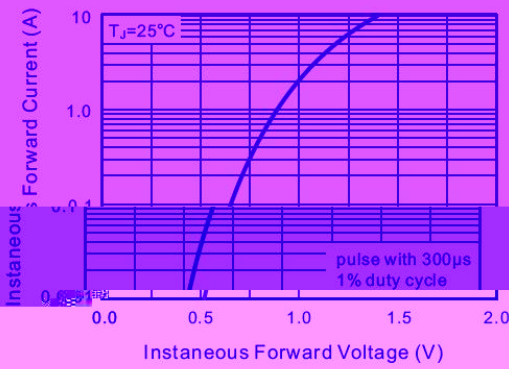


Fig.4 Typical Junction Capacitance

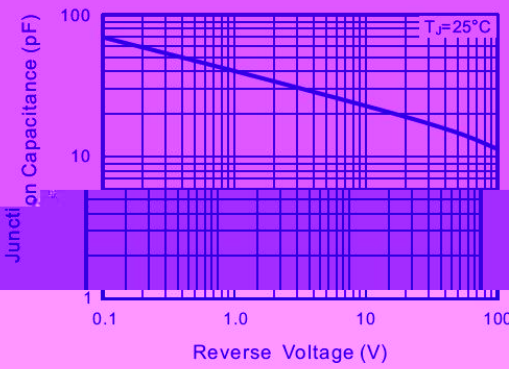
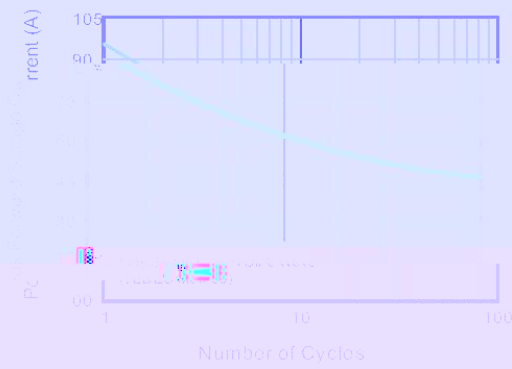
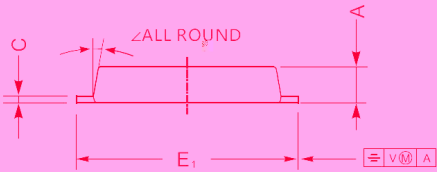
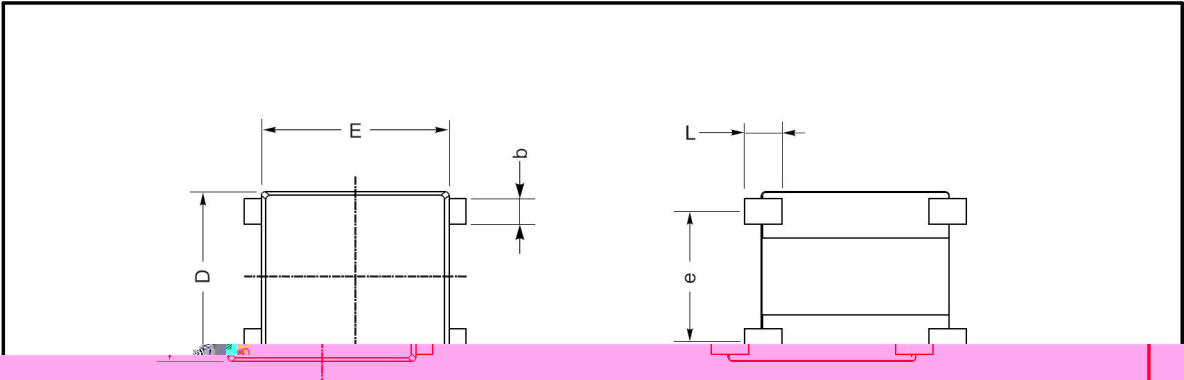


Fig.5 Maximum Non-Repetitive Peak Forward Surge Current



/ Package Dimensions

UMSB



UMSB mechanical data

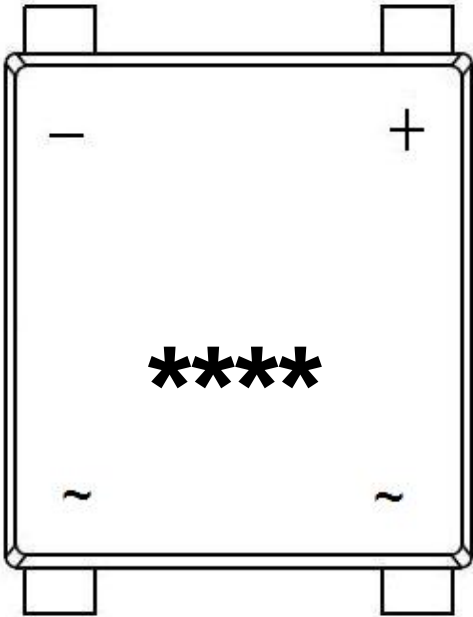
| UNIT |  | A   | C    | D   | E   | E <sub>1</sub> | L   | e | b | ∠ |
|------|--|-----|------|-----|-----|----------------|-----|---|---|---|
| max  |  | 1.5 | 0.20 | 7.0 | 7.6 | 8.0            | 1.6 |   |   |   |

/ Marking Instructions

Marking

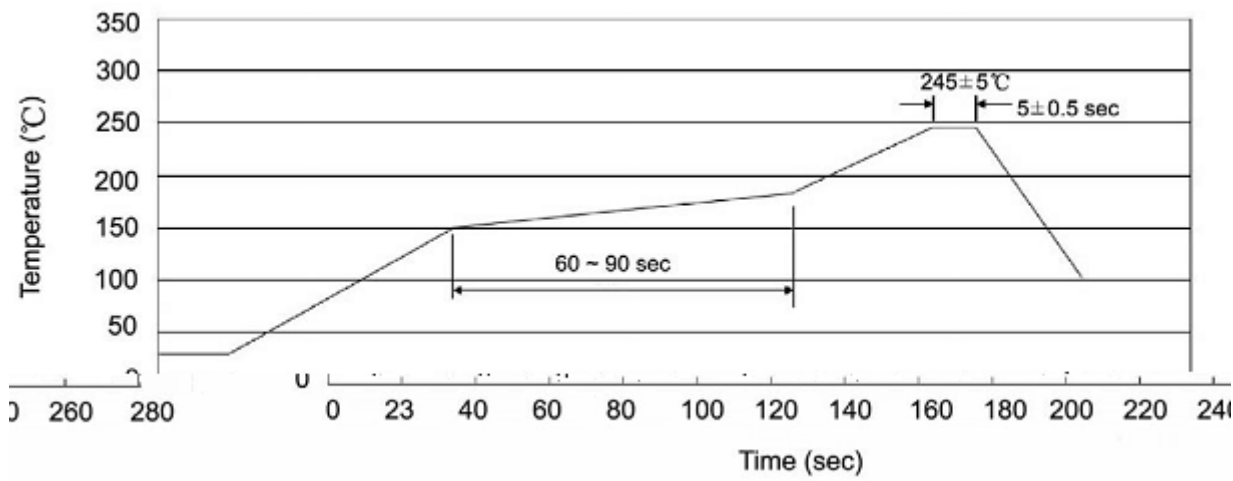
| Type number | Marking code |
|-------------|--------------|
| MSB40B      | MB40B        |
| MSB40D      | MB40D        |
| MSB40G      | MB40G        |
| MSB40J      | MB40J        |
| MSB40K      | MB40K        |
| MSB40M      | MB40M        |

/ Marking Instructions



|      |   |   |
|------|---|---|
| **** | * | * |
| **** | * | * |

(     ) / Temperature Profile for IR Reflow Soldering(Pb-Free)



/ Resistance to Soldering Heat Test Conditions

℃

/ Packaging SPEC.