

**SEB160M-40**  
**Schottky barrier diode**

Revision:A

**Features**

- Small power mold type. (PMDS)
- Low  $I_R$
- High reliability

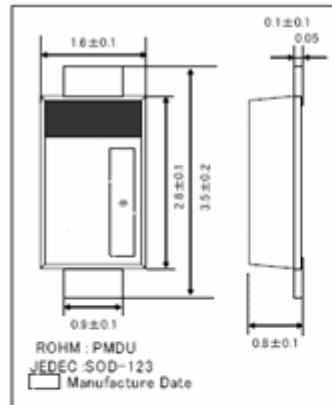
**Applications**

- General rectification

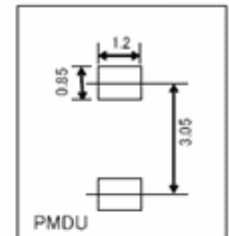
**Construction**

- Silicon epitaxial planer

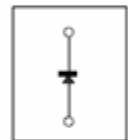
● Dimensions (Unit : mm)



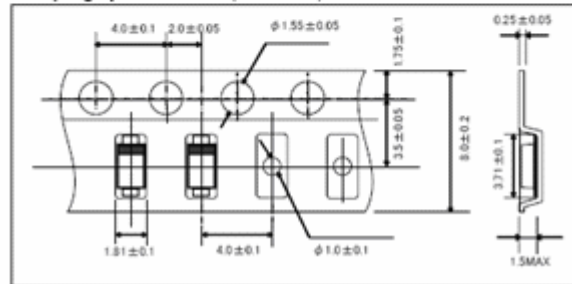
● Land size figure (Unit : mm)



● Structure



● Taping specifications (Unit : mm)



**Absolute maximum ratings (Ta=25°C)**

| Parameter                         | Symbol    | Limits     | Unit |
|-----------------------------------|-----------|------------|------|
| Reverse voltage (repetitive peak) | $V_{RM}$  | 40         | V    |
| Reverse voltage (DC)              | $V_R$     | 40         | V    |
| Average rectified forward current | $I_O$     | 1          | A    |
| Forward current surge peak        | $T_{FSM}$ | 30         | A    |
| Junction temperature              | $T_j$     | 150        | °C   |
| Storage temperature               | $T_{stg}$ | -40 ~ +150 | °C   |

(\*1) Mounted on epoxy board. 180°Half sine wave

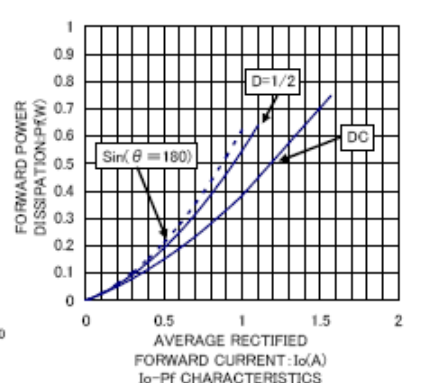
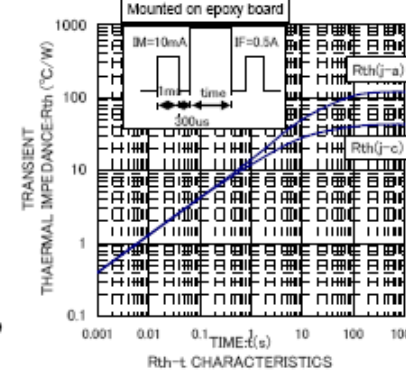
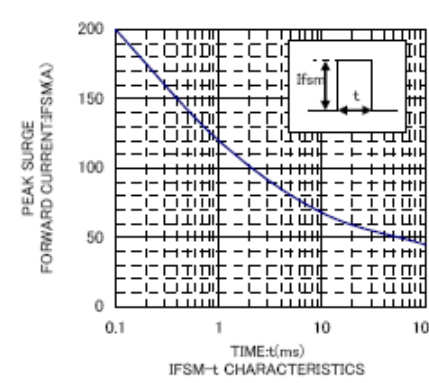
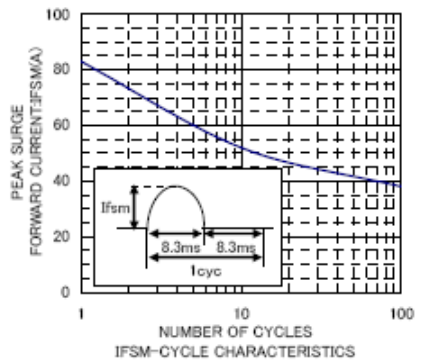
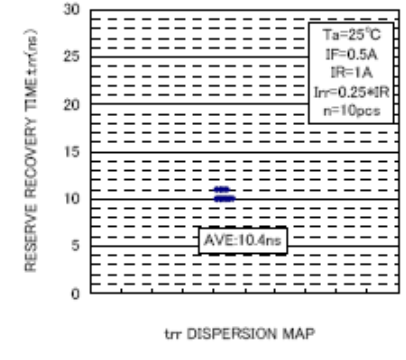
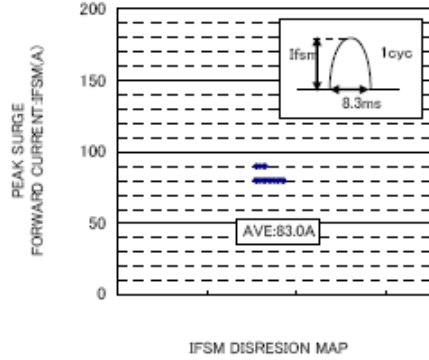
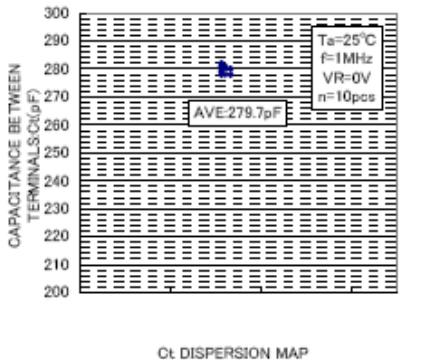
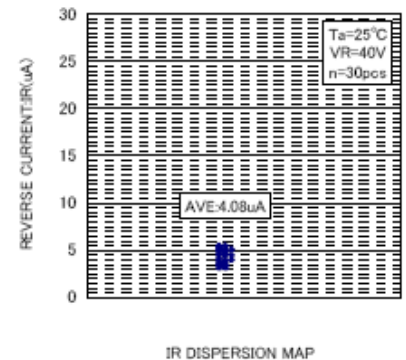
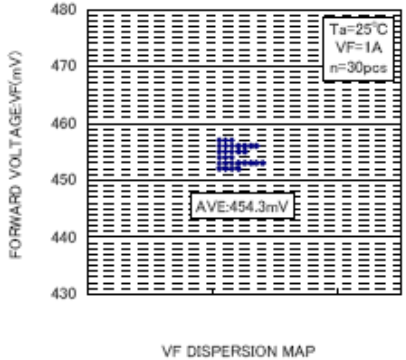
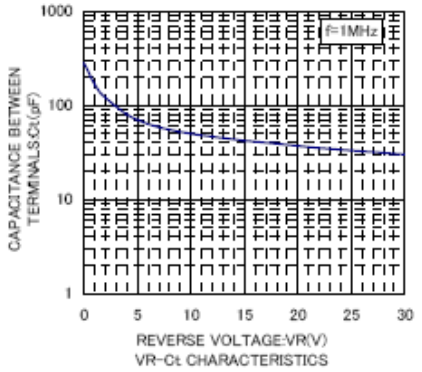
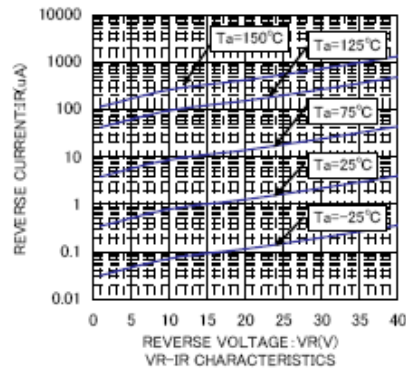
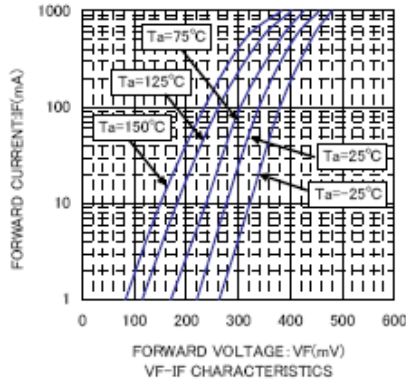
**Electrical characteristics (Ta=25°C)**

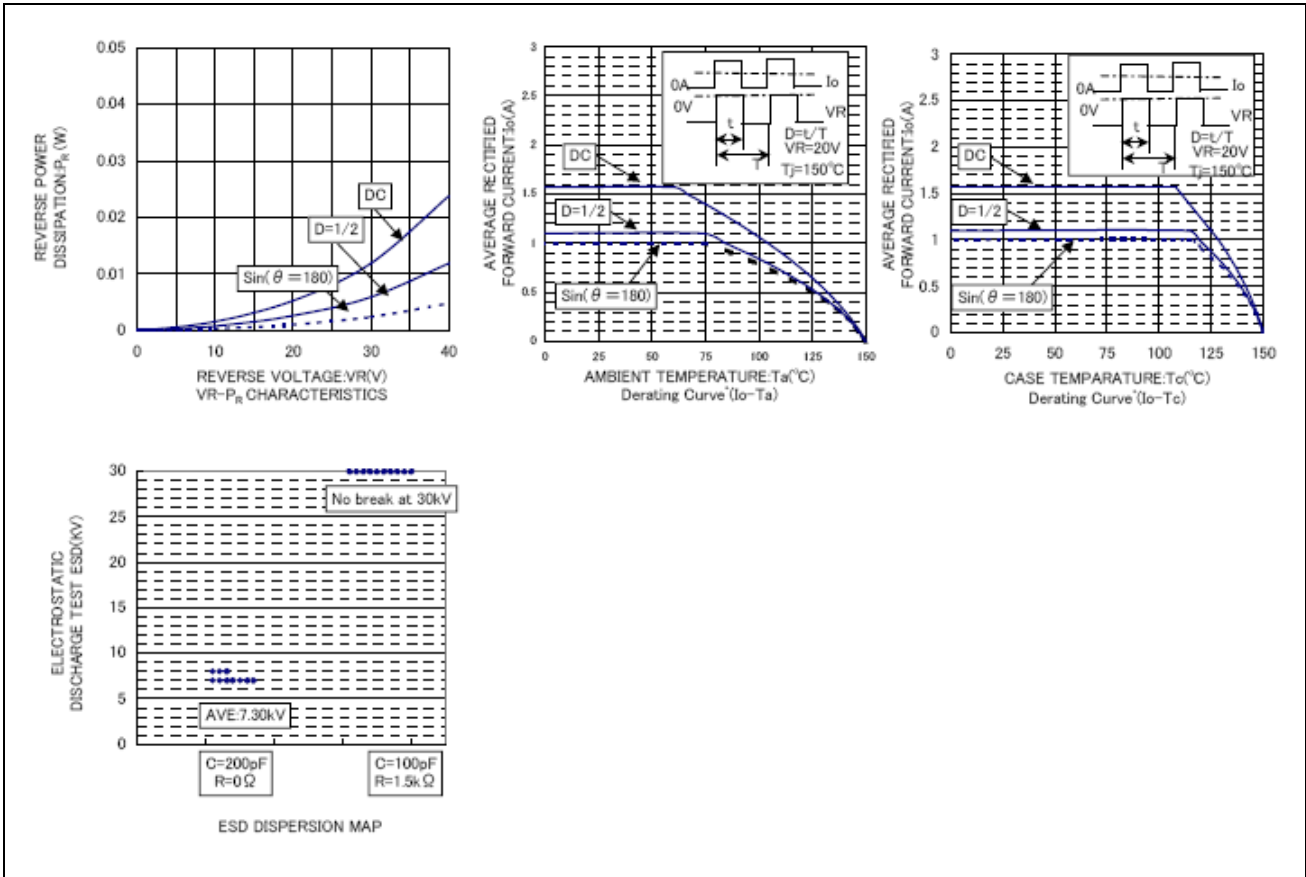
| Parameter       | Symbol   | Min. | Typ. | Max. | Unit | Conditions   |
|-----------------|----------|------|------|------|------|--------------|
| Forward voltage | $V_{F1}$ | —    | 0.46 | 0.51 | V    | $I_F = 1.0A$ |
| Reverse current | $I_R$    | —    | 4.0  | 30   | uA   | $V_R = 40V$  |

# SEB160M-40

- Please pay attention to static electricity when handling.

## ●Electrical characteristic curves (Ta=25°C)





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