

# Schottky barrier Diode

## RB751G-40

**●Applications**

General rectification

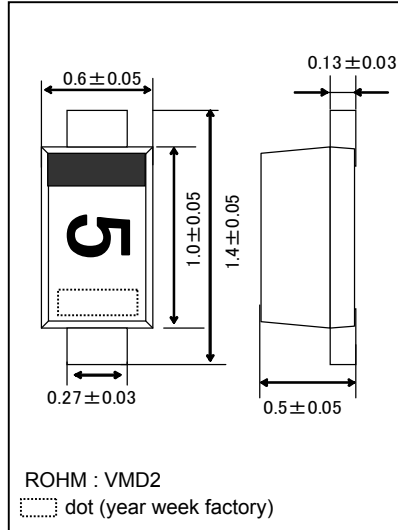
**●Features**

- 1) Small power mold type.(VMD2)
- 2) Low  $V_F$
- 3) High reliability

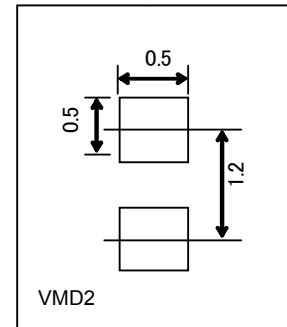
**●Construction**

Silicon epitaxial planar

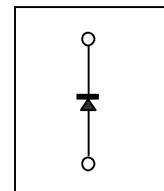
**●Dimensions (Unit : mm)**



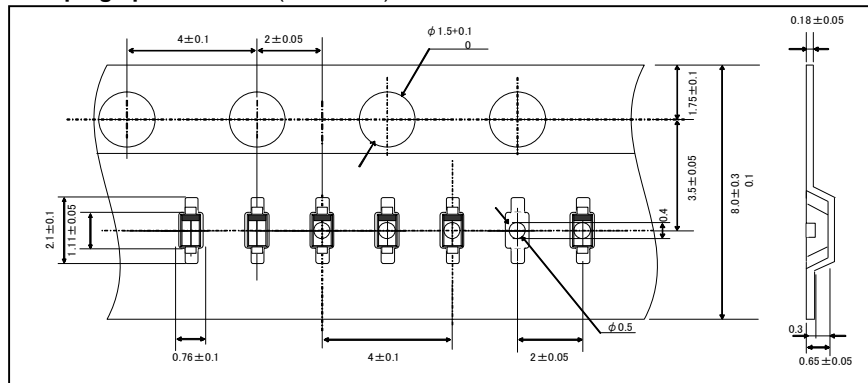
**●Land size figure (Unit : mm)**



**●Structure**



**●Taping specifications (Unit : mm)**

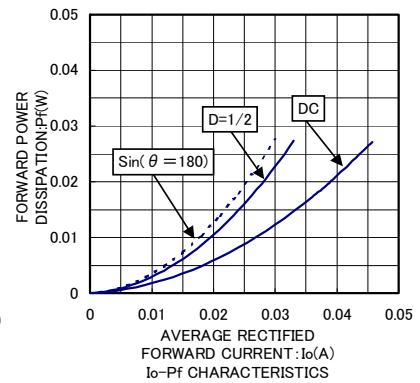
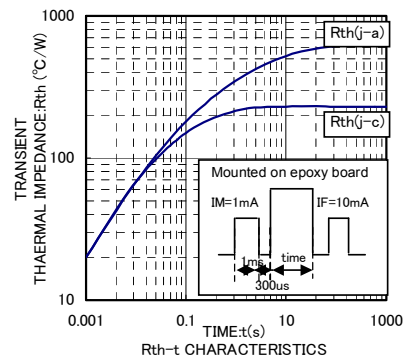
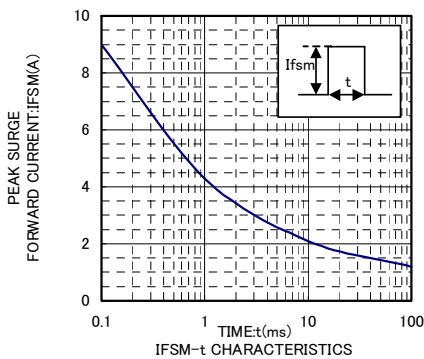
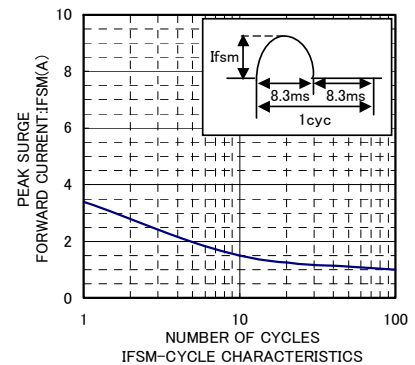
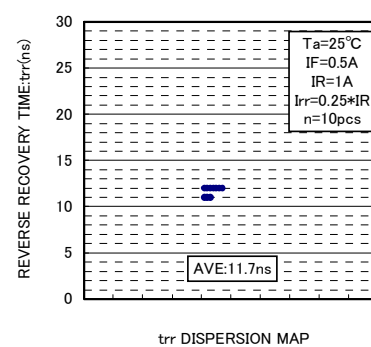
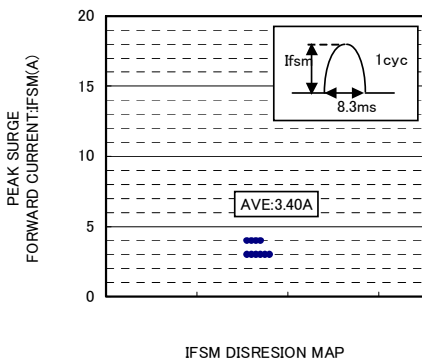
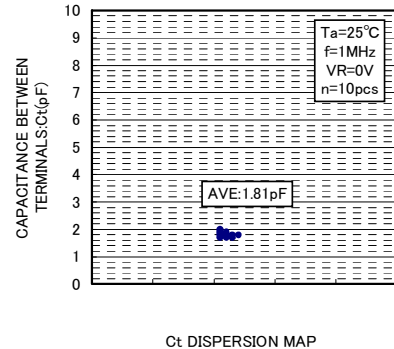
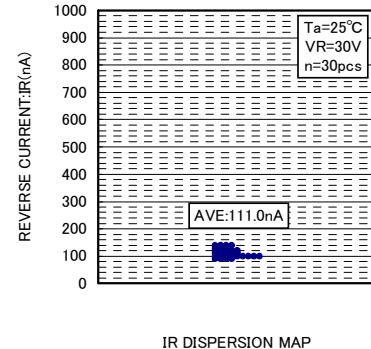
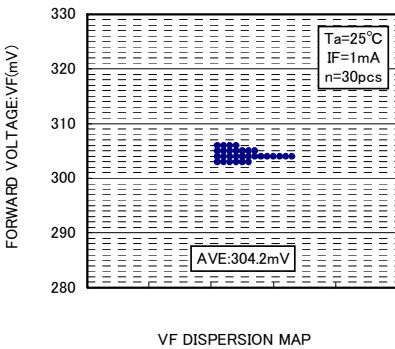
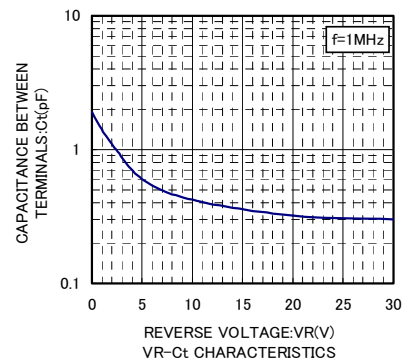
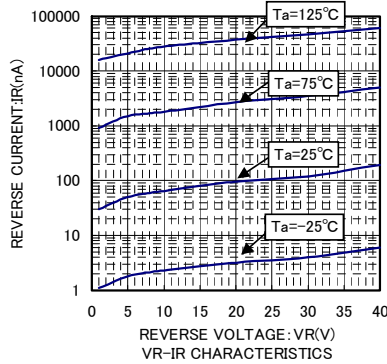
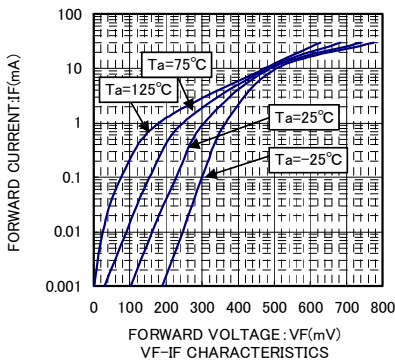


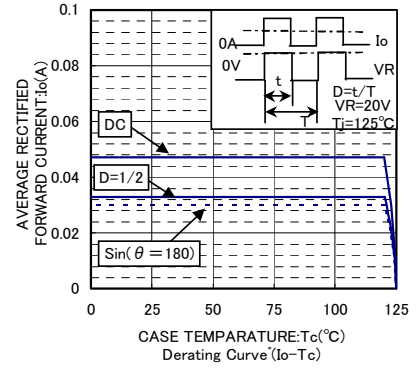
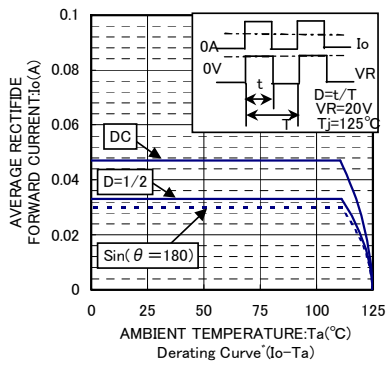
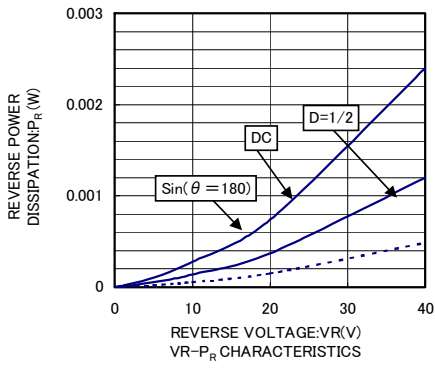
**●Absolute maximum ratings (Ta=25°C)**

| Parameter                               | Symbol    | Limits      | Unit |
|---|-----------|-------------|------|
| Reverse voltage (repetitive peak)       | $V_{RM}$  | 40          | V    |
| Reverse voltage (DC)                    | $V_R$     | 30          | V    |
| Average rectified forward current       | $I_o$     | 30          | mA   |
| Forward current surge peak (60Hz· 1cyc) | $I_{FSM}$ | 200         | mA   |
| Junction temperature                    | $T_j$     | 125         | °C   |
| Storage temperature                     | $T_{stg}$ | -40 to +125 | °C   |

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

| Parameter                     | Symbol | Min. | Typ. | Max. | Unit | Conditions       |
|-------------------------------|--------|------|------|------|------|------------------|
| Forward voltage               | $V_F$  | -    | -    | 0.37 | V    | $I_F=1mA$        |
| Reverse current               | $I_R$  | -    | -    | 0.5  | μA   | $V_R=30V$        |
| Capacitance between terminals | $C_t$  | -    | 2    | -    | pF   | $V_R=1V, f=1MHz$ |





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