

Switching Diode

DAP202UM

●Applications

High speed switching

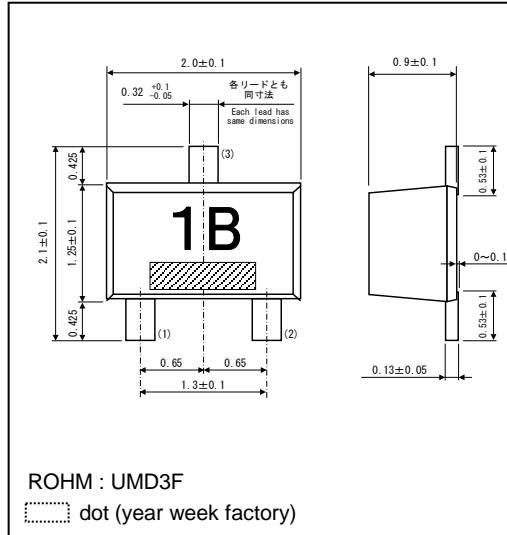
●Features

- 1) Small mold, flat lead type. (UMD3F)
- 2) High reliability

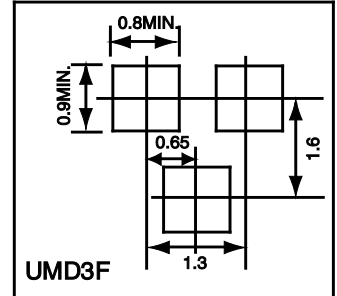
●Construction

Silicon epitaxial planer

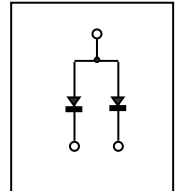
●Dimensions (Unit : mm)



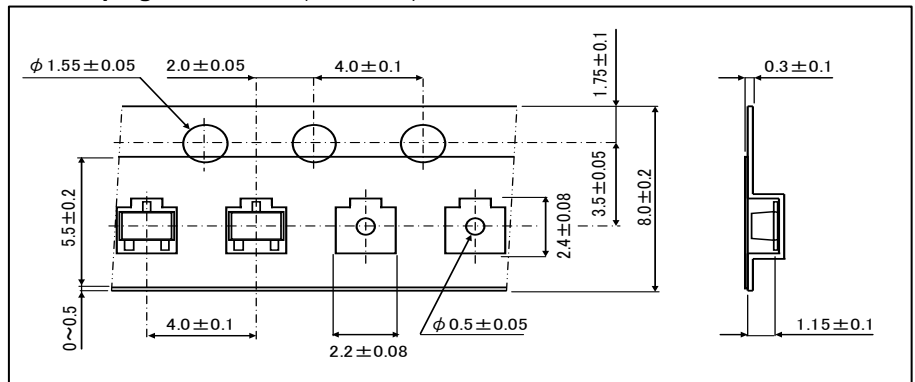
●Land size figure (Unit : mm)



●Structure



●Taping dimensions (Unit : mm)

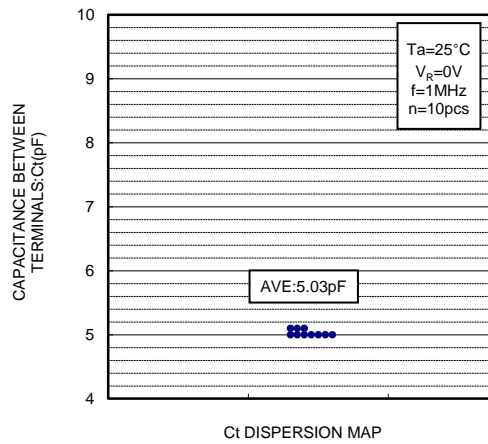
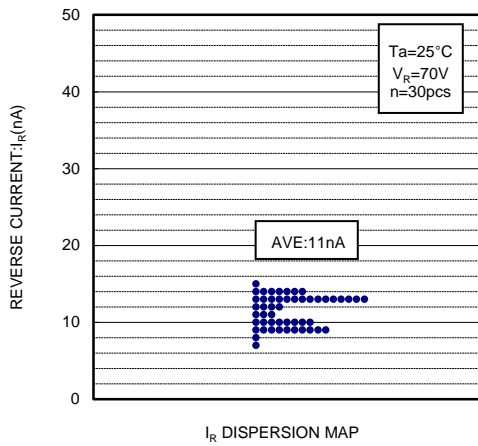
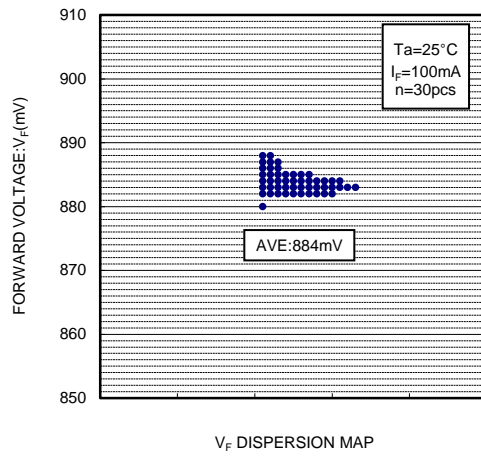
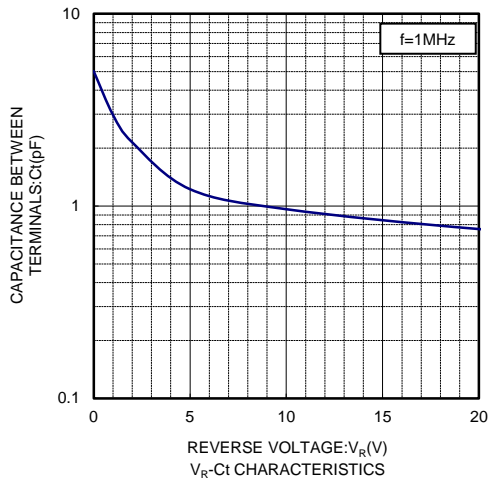
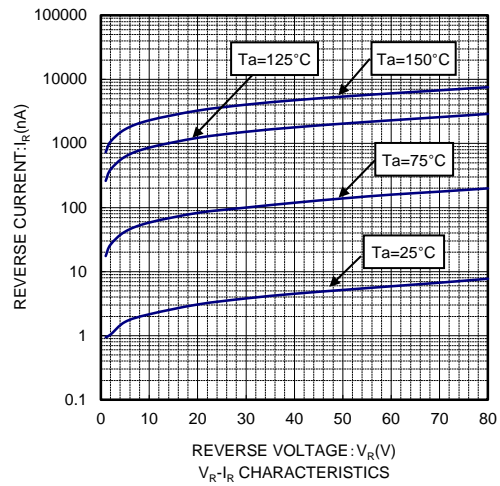
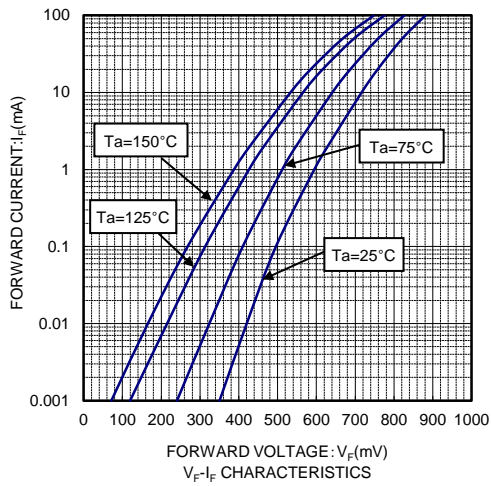


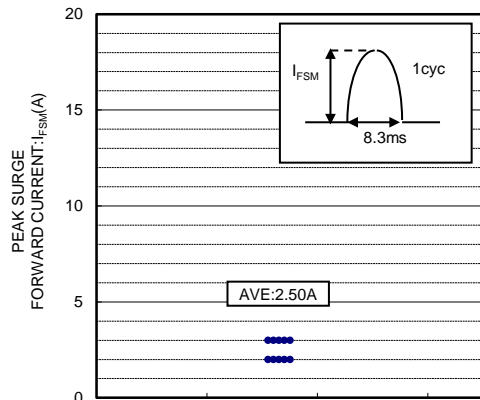
●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|-----------------------------------|-------------|--------------|----------|
| Reverse voltage (repetitive) | V_{RM} | 80 | V |
| Reverse voltage (DC) | V_R | 80 | V |
| Forward voltage (repetitive peak) | I_{FM} | 300 | mA |
| Average rectified forward current | I_o | 100 | mA |
| Surge current (t=1s) | I_{surge} | 4 | A |
| Power dissipation | P_d | 200 | mW/Total |
| Junction temperature | T_j | 150 | °C |
| Storage temperature | T_{stg} | - 55 to +150 | °C |
| Rated in slash put frequency | f | 100 | MHz |

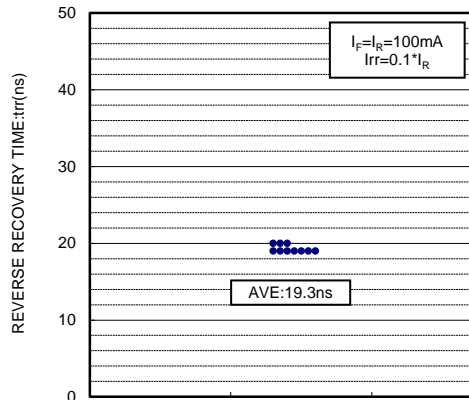
●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|----------|------|------|------|------|---------------------------------|
| Forward voltage | V_F | - | - | 1.2 | V | $I_F=100mA$ |
| Reverse current | I_R | - | - | 0.1 | μA | $V_R=70V$ |
| Capacitance between terminals | C_t | - | - | 3.5 | pF | $V_R=6V, f=1MHz$ |
| Reverse recovery time | t_{rr} | - | - | 4.0 | ns | $V_R=6V, I_F=5mA, R_L=50\Omega$ |

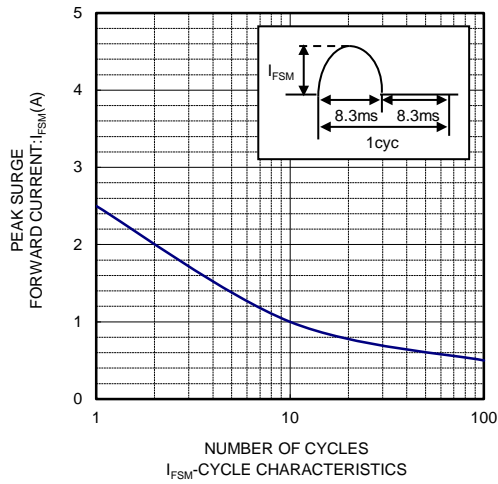




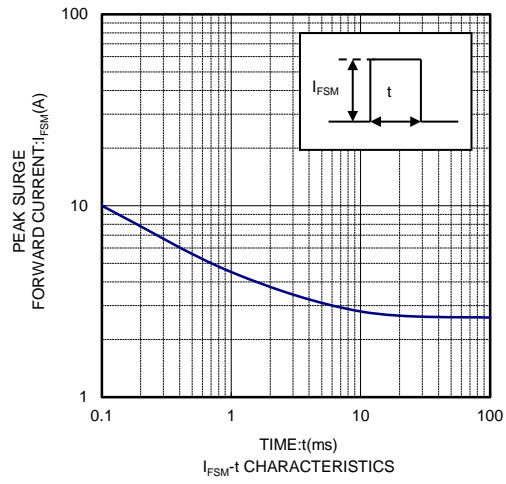
I_{FSM} DISPERSION MAP



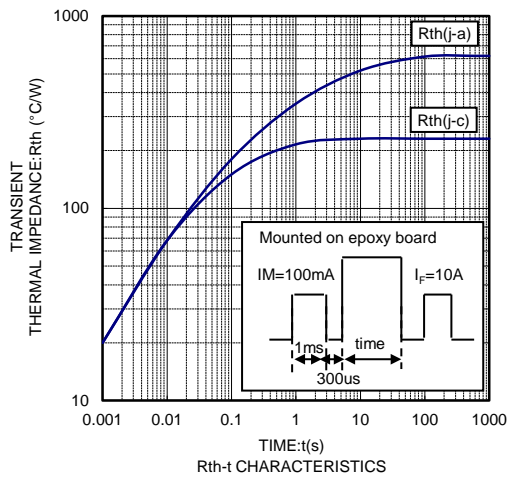
trr DISPERSION MAP



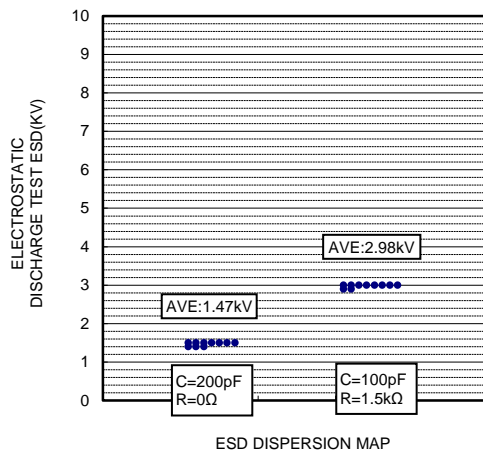
I_{FSM} CYCLE CHARACTERISTICS



I_{FSM} -t CHARACTERISTICS



Rth-t CHARACTERISTICS



ESD DISPERSION MAP

Notes

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