

Band switching diode

DAP236U

●Applications

High speed switching

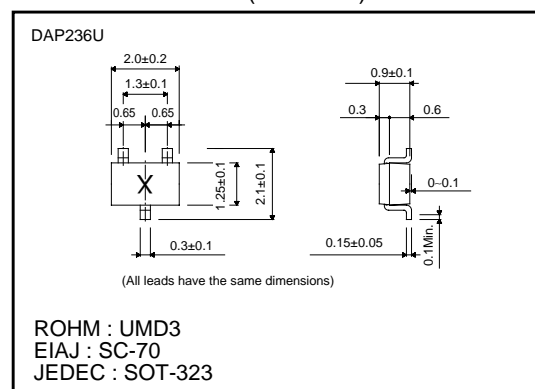
●Features

- 1) Multiple diodes with common anode configuration. (UMD3)
- 2) High reliability.

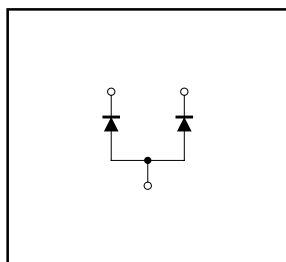
●Construction

Silicon epitaxial planar

●External dimensions (Units : mm)



●Circuit



●Absolute maximum ratings (Ta=25°C)

| Parameter | Symbol | Limits | Unit |
|----------------------|-----------|----------|------|
| DC reverse voltage | V_R | 35 | V |
| Power dissipation | P | 150 | mW |
| Junction temperature | T_j | 125 | °C |
| Storage temperature | T_{stg} | -55~+125 | °C |

●Electrical characteristics (Ta=25°C)

| Parameter | Symbol | Min. | Typ. | Max. | Unit | Conditions |
|-------------------------------|--------|------|------|------|----------|--------------------------------------|
| Forward voltage | V_F | — | — | 1.0 | V | $I_F=10\text{mA}$ |
| Reverse current | I_R | — | — | 10 | nA | $V_R=25\text{V}$ |
| Capacitance between terminals | C_T | — | — | 1.2 | pF | $V_R=6\text{V}$, $f=1\text{MHz}$ |
| Forward operating resistance | r_F | — | — | 0.90 | Ω | $I_F=2\text{mA}$, $f=100\text{MHz}$ |

Diodes

●Electrical characteristic curves (Ta=25°C)

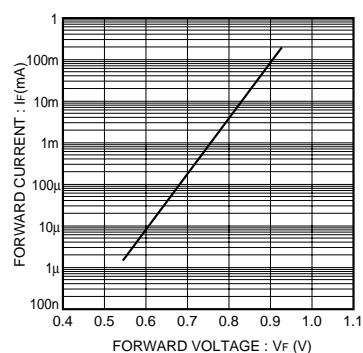


Fig. 1 Forward characteristics

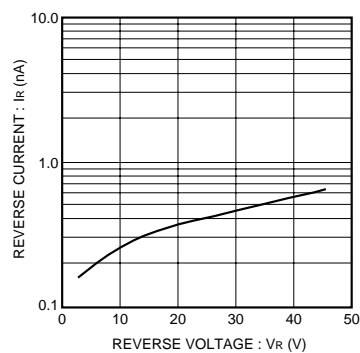


Fig. 2 Reverse characteristics

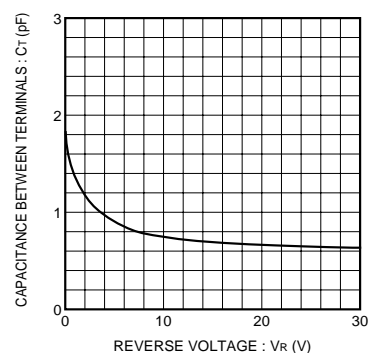


Fig. 3 Capacitance between terminals characteristics

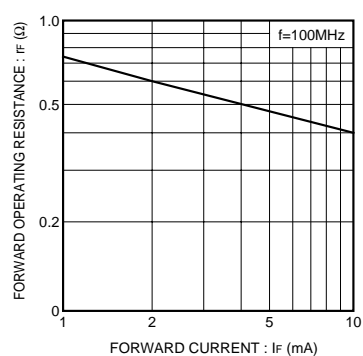


Fig. 4 Forward operating resistance characteristics

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