

FAST RECOVERY DIODE

Features

- High speed switching
- Ultra small package
Possible for 5mm pitch automatic insertion
- High reliability

Applications

- High speed switching

Maximum ratings and characteristics

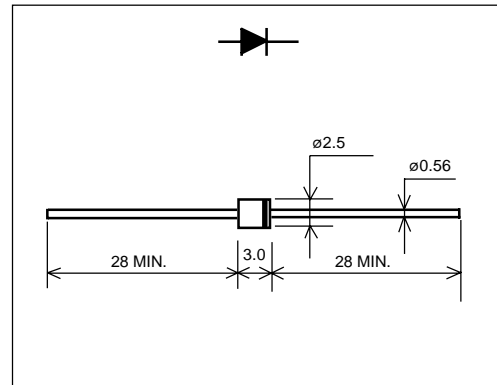
- Absolute maximum ratings

| Item | Symbol | Conditions | Rating | | Unit |
|-------------------------------------|-------------|---|-------------|-----|--------------------|
| | | | -02 | -04 | |
| Repetitive peak reverse voltage | V_{RRM} | | 200 | 400 | V |
| Non-repetitive peak reverse voltage | V_{RSM} | | 200 | 400 | V |
| Average forward current | $I_{F(AV)}$ | Resistive load ($T_a=40^{\circ}\text{C}$) | 0.8 | | A |
| Surge current | I_{FSM} | Sine wave 10ms | 30 | | A |
| Operating junction temperature | T_j | | -40 to +140 | | $^{\circ}\text{C}$ |
| Storage temperature | T_{stg} | | -40 to +140 | | $^{\circ}\text{C}$ |

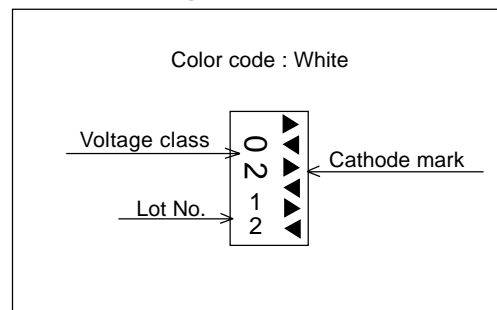
- Electrical characteristics ($T_a=25^{\circ}\text{C}$ Unless otherwise specified)

| Item | Symbol | Conditions | Max. | Unit |
|-----------------------|-----------|------------------------------------|------|---------------|
| Forward voltage drop | V_{FM} | $I_{FM}=0.8\text{A}$ | 1.05 | V |
| Reverse current | I_{RRM} | $V_R=V_{RRM}$ | 10 | μA |
| Reverse recovery time | t_{rr} | $I_F=0.1\text{A}, I_R=0.1\text{A}$ | 0.4 | μs |

Outline drawings, mm

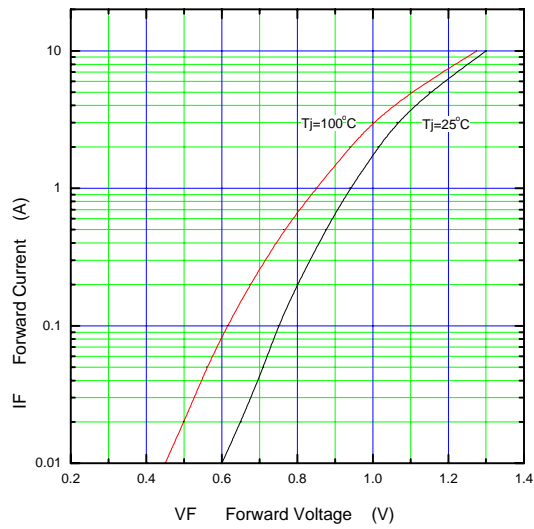


Marking

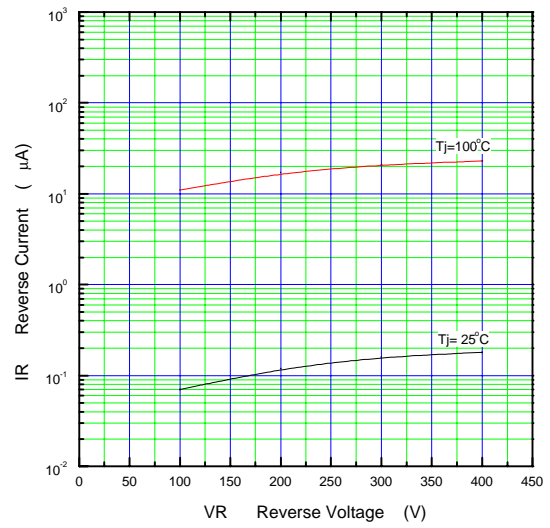


■ Characteristics

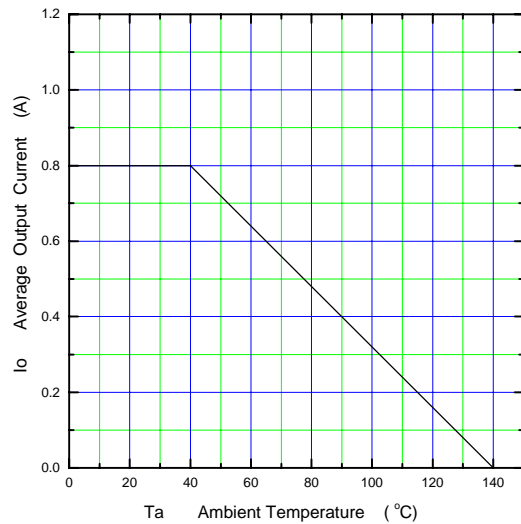
Forward Characteristic (typ.)



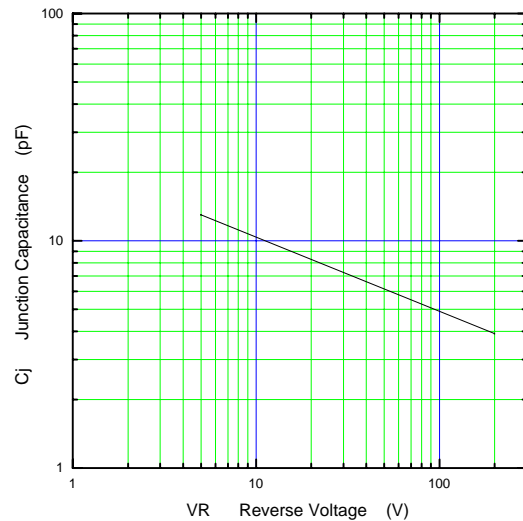
Reverse Characteristic (typ.)



Current Derating (I_o - T_a)



Junction Capacitance Characteristic (typ.)



Surge Capability

