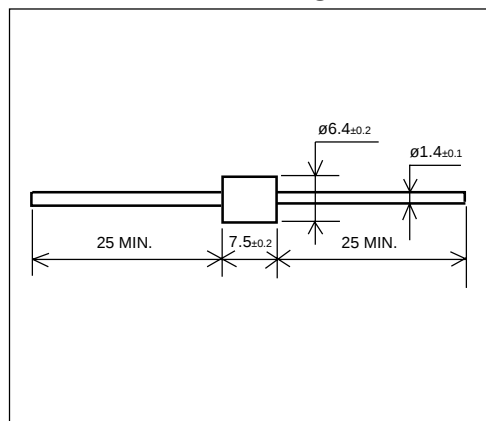


# FE301-1 (4A)

(100V / 4.0A )

## FAST RECOVERY DIODE

### Outline Drawings



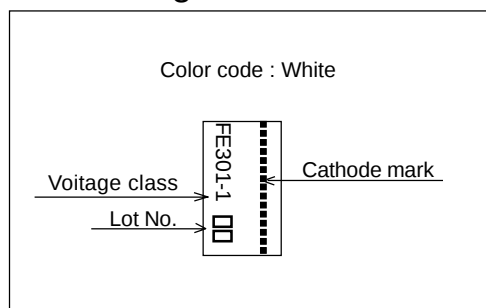
### Features

- Large current.
- High reliability.

### Applications

- High speed switching
- Audio output rectifier in TV etc

### Marking



### Maximum Ratings and Characteristics

- Absolute Maximum Ratings

| Items                           | Symbols   | Condition      | Ratings     | Units |
|---------------------------------|-----------|----------------|-------------|-------|
| Repetitive Peak Reverse Voltage | $V_{RRM}$ |                | 100         | V     |
| Average Output Current          | $I_{FAV}$ | Resistive load | 4.0*        | A     |
| Surge Current                   | $I_{FSM}$ | Sine wave 10ms | 100         | A     |
| Operating Junction Temperature  | $T_j$     |                | -40 to +150 | °C    |
| Storage Temperature             | $T_{stg}$ |                | -40 to +150 | °C    |

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

\* Mounted on Printed circuit board (25 x 25mm)

| Items                 | Symbols   | Conditions                         | Max. | Units         |
|-----------------------|-----------|------------------------------------|------|---------------|
| Forward Voltage Drop  | $V_{FM}$  | $I_{FM}=2.0\text{A}$               | 0.85 | V             |
| Reverse Current       | $I_{RRM}$ | $V_R=V_{RRM}$                      | 10   | $\mu\text{A}$ |
| Reverse Recovery Time | $t_{rr}$  | $I_F=0.1\text{A}, I_R=0.1\text{A}$ | 0.2  | $\mu\text{s}$ |

- Mechanical Characteristics

|        |  |     |   |
|--------|--|-----|---|
| Weight |  | 1.4 | g |
|--------|--|-----|---|

■ Characteristics

