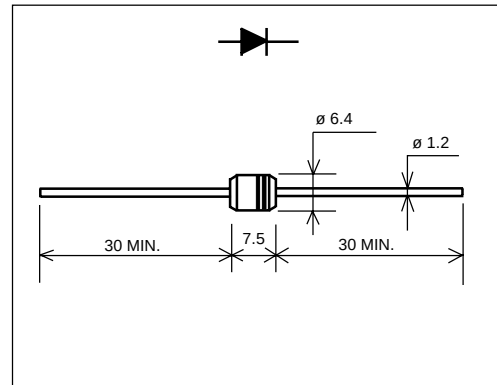


# ERC06 (1.5A)

(1300V to 1500V / 1.5A )

## FAST RECOVERY DIODE

### ■ Outline drawings, mm



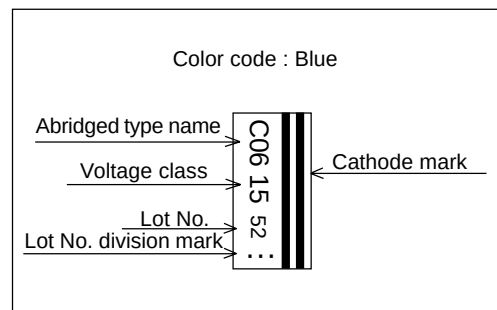
### ■ Features

- Most suitable for color T.V. damper
- High voltage by mesa design
- High reliability

### ■ Applications

- High speed switching

### ■ Marking



### ■ Maximum ratings and characteristics

- Absolute maximum ratings

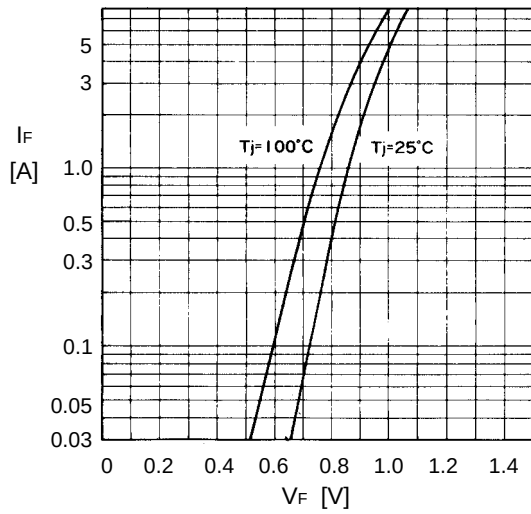
| Item                            | Symbol      | Conditions                           | Rating      |      | Unit        |
|---------------------------------|-------------|--------------------------------------|-------------|------|-------------|
|                                 |             |                                      | -13         | -15  |             |
| Repetitive peak reverse voltage | $V_{RRM}$   |                                      | 1300        | 1500 | V           |
| Average forward current         | $I_{F(AV)}$ | Resistive load ( $T_a=40^{\circ}C$ ) | 1.5         |      | A           |
| Surge current                   | $I_{FSM}$   | Sine wave 10ms                       | 50          |      | A           |
| Operating junction temperature  | $T_j$       |                                      | -40 to +150 |      | $^{\circ}C$ |
| Storage temperature             | $T_{stg}$   |                                      | -40 to +150 |      | $^{\circ}C$ |

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

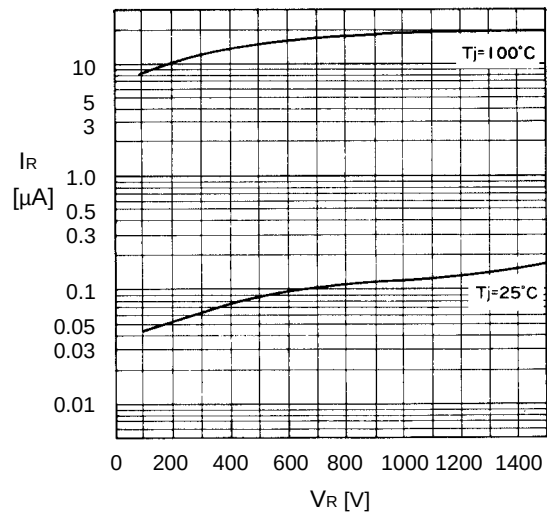
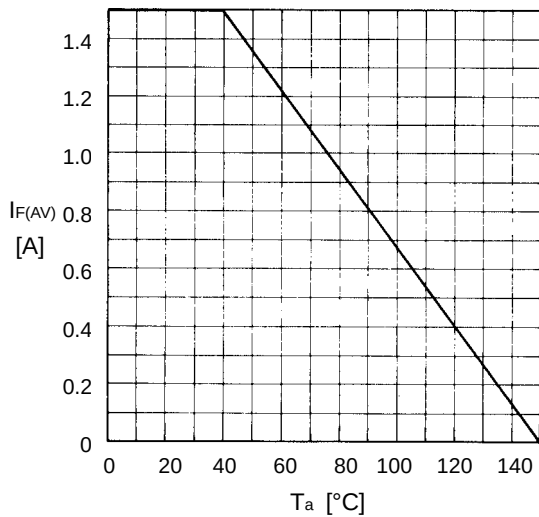
| Item                  | Symbol    | Conditions           | Max. | Unit    |
|-----------------------|-----------|----------------------|------|---------|
| Forward voltage drop  | $V_{FM}$  | $I_{FM}=4A$          | 1.5  | V       |
| Reverse current       | $I_{RRM}$ | $V_R=V_{RRM}$        | 10   | $\mu A$ |
| Reverse recovery time | $t_{rr}$  | $I_F=0.1A, I_R=0.1A$ | 4    | $\mu s$ |

**■ Characteristics**

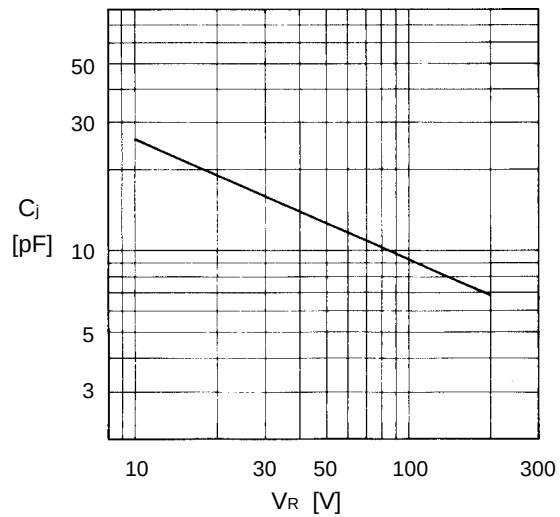
Forward characteristics



Reverse characteristics

Current derating ( $I_{F(AV)} - T_a$ )

Junction capacitance characteristics



Surge capability

