

## FAST RECOVERY DIODE

### Features

- High speed switching
- High reliability

### Applications

- High speed switching

### Maximum ratings and characteristics

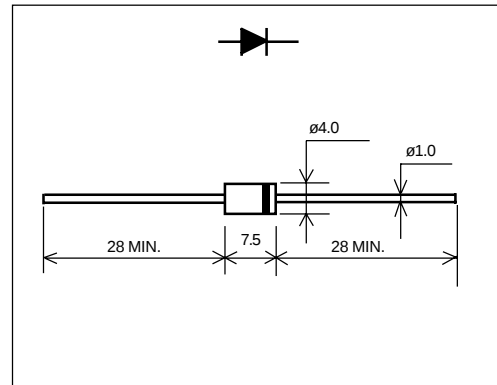
- Absolute maximum ratings

| 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 ( $T_a=40^{\circ}\text{C}$ ) | 1.2         |     | A                  |
| Surge current                       | $I_{FSM}$   | Sine wave 10ms                              | 40          |     | A                  |
| Operating junction temperature      | $T_j$       |                                             | -40 to +140 |     | $^{\circ}\text{C}$ |
| Storage temperature                 | $T_{stg}$   |                                             | -40 to +140 |     | $^{\circ}\text{C}$ |

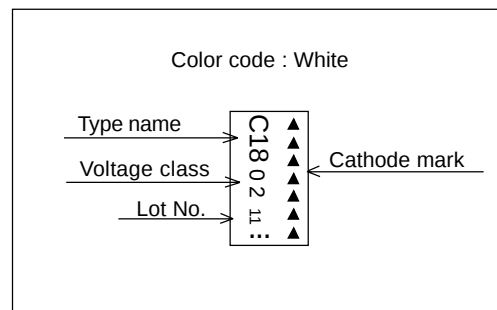
- Electrical characteristics ( $T_a=25^{\circ}\text{C}$  Unless otherwise specified )

| Item                  | Symbol    | Conditions                            | Max. | Unit          |
|-----------------------|-----------|---------------------------------------|------|---------------|
| Forward voltage drop  | $V_{FM}$  | $I_{FM}=1.2\text{A}$                  | 0.95 | V             |
| Reverse current       | $I_{RRM}$ | $V_R=V_{RRM}$                         | 10   | $\mu\text{A}$ |
| Reverse recovery time | $t_{rr}$  | $I_F=0.1\text{A}$ , $I_R=0.1\text{A}$ | 0.4  | $\mu\text{s}$ |

### Outline drawings, mm



### Marking



■ Characteristics

