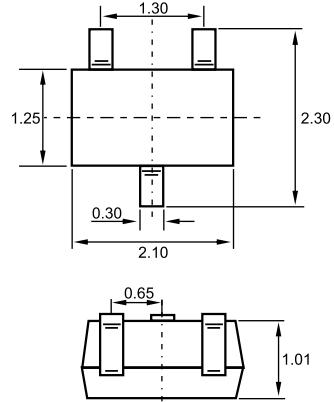


## Features

- ✧ Fast switching speed.
- ✧ Small surface mounting type.
- ✧ Two diode elements are connected in series.
- ✧ Surface mount package ideally suited for automatic insertion

**SOT-323**



Dimensions in inches and (millimeters)

## Applications

- ✧ For general purpose switching application.

## Ordering Information

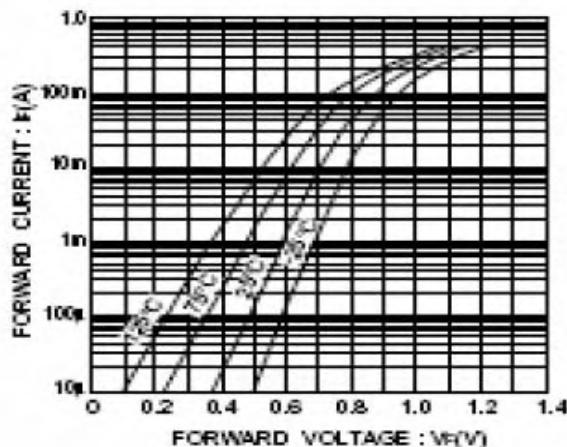
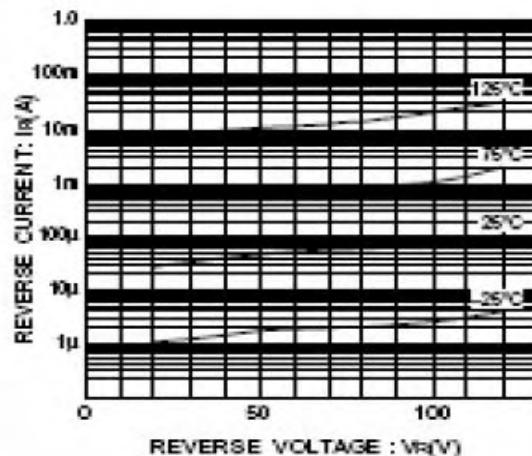
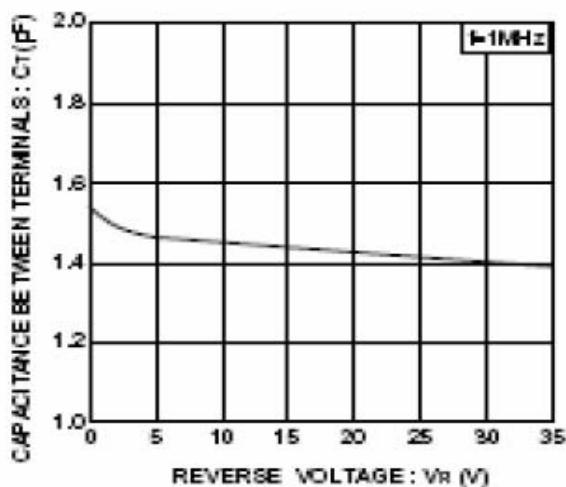
| Type No. | Marking | Package Code |
|----------|---------|--------------|
| DAN217U  | A7      | SOT-323      |

**MAXIMUM RATING @ Ta=25°C unless otherwise specified**

| Parameter                               | Symbol                            | Value   | Unit |
|---|-----------------------------------|---------|------|
| Non repetitive peak reverse voltage     | V <sub>RM</sub>                   | 80      | V    |
| Repetitive peak reverse voltage         | V <sub>RPM</sub>                  |         |      |
| Working peak reverse voltage            | V <sub>RWM</sub>                  | 80      | V    |
| DC Reverse voltage                      | V <sub>R</sub>                    |         |      |
| Peak forward surge current @t=10ms      | I <sub>FSM</sub>                  | 1       | A    |
| Forward continuous current              | I <sub>FM</sub>                   | 300     | mA   |
| Average rectified output current        | I <sub>O</sub>                    | 100     | mA   |
| Power dissipation                       | P <sub>d</sub>                    | 200     | mW   |
| Operating and storage temperature range | T <sub>j</sub> , T <sub>STG</sub> | -55-125 | °C   |

**ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

| Parameter                       | Symbol     | Test conditions | MIN | MAX  | UNIT    |
|---------------------------------|------------|-----------------|-----|------|---------|
| Reverse breakdown voltage       | $V_{(BR)}$ | $I_R=100\mu A$  | 80  |      | V       |
| Reverse voltage leakage current | $I_R$      | $V_R=70V$       |     | 0.1  | $\mu A$ |
| Forward voltage                 | $V_F$      | $I_F=100mA$     |     | 1200 | mV      |

**TYPICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified**

**Fig.1 Forward characteristics**

**Fig.2 Reverse characteristics**

**Fig.3 Capacitance between terminals characteristics**