

SOT-323 Plastic-Encapsulated Diode

DAN202U SWITCHING DIODE

FEATURES:

Power dissipation

$$P_D: 200 \text{ mW (Tamb=25°C)}$$

Collector current

$$I_F: 100 \text{ mA}$$

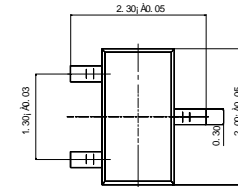
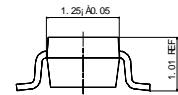
Collector-base voltage

$$V_R: 80 \text{ V}$$

Operating and storage junction temperature range

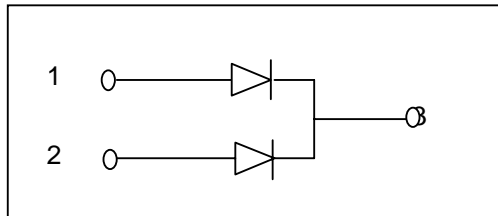
$$T_J, T_{stg}: -55^\circ\text{C to } +150^\circ\text{C}$$

SOT-323



Unit: mm

CIRCUIT:



MARKING: N

ELECTRICAL CHARACTERISTICS (Tamb=25°C unless otherwise specified)

| Parameter | Symbol | Test conditions | MIN | MAX | UNIT |
|---------------------------------|------------|-------------------------------------|-----|-----|---------------|
| Reverse breakdown voltage | $V_{(BR)}$ | $I_R = 100\mu\text{A}$ | 80 | | V |
| Reverse voltage leakage current | I_R | $V_R = 70\text{V}$ | | 0.1 | μA |
| Forward voltage | V_F | $I_F = 100\text{mA}$ | | 1.2 | V |
| Diode capacitance | C_D | $V_R = 6\text{V}, f = 1\text{MHz}$ | | 3.5 | pF |
| Reverse recovery time | t_{rr} | $V_R = 6\text{V}, I_F = 5\text{mA}$ | | 4 | ns |