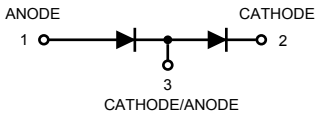
# Dual series switching diode
## Lead free product
## Halogen-free type

DAN217UGH




SOT-323




## FEATURES

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

## APPLICATIONS

- For general purpose switching appilication.

## MAXIMUM RATING @ Ta=25℃ unless otherwise specified

| Parameter | Symbol | Value | Unit |
|---|---|---|---|
| Non repetitive peak reverse voltage | $V_{RM}$ | 80 | V |
| Repetitive peak reverse voltage<br>Working peak reverse voltage<br>DC Reverse voltage | $V_{RRM}$<br>$V_{RWM}$<br>$V_R$ | 80 | V |
| Peak forward surge current @t=10ms | $I_{FSM}$ | 1 | A |
| Forward continuous current | $I_{FM}$ | 300 | mA |
| Average rectified output current | $I_O$ | 100 | mA |
| Power dissipation | $P_d$ | 200 | mW |
| Operating and storage temperature range | $T_j$,$T_{STG}$ | -55-125 | ℃ |

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## ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

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

## TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

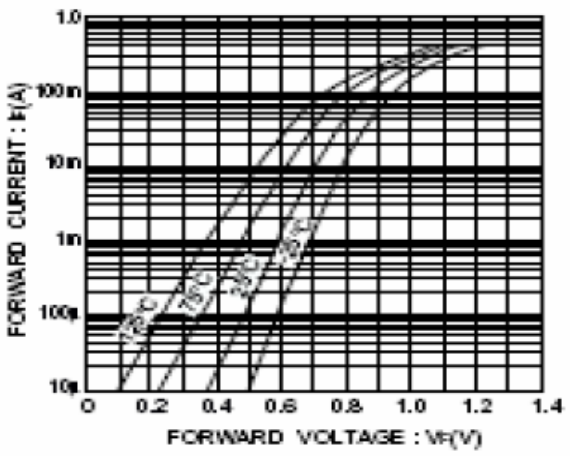



Fig.1 Forward characteristics

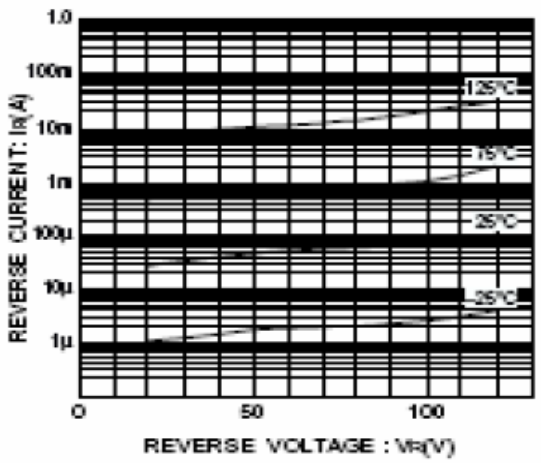



Fig.2 Reverse characteristics

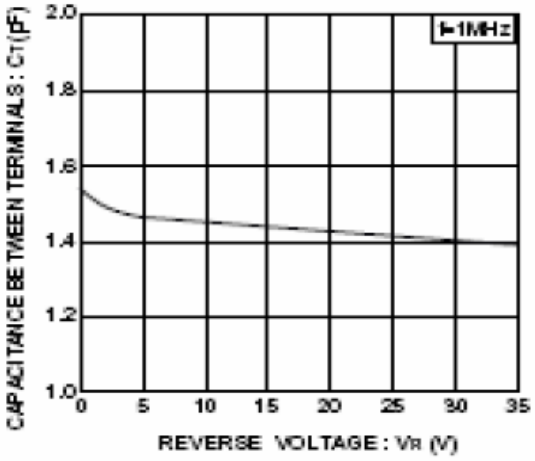



Fig.3 Capacitance between terminals characteristics