

Dual Serise Switching Diodes

FEATURES

- Ultra high speed switching
- Suitable for high packing density layout.
- High reliability.
- We declare that the material of product compliance with RoHS requirements.

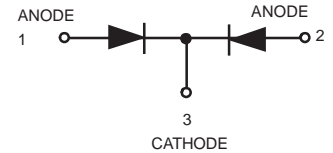
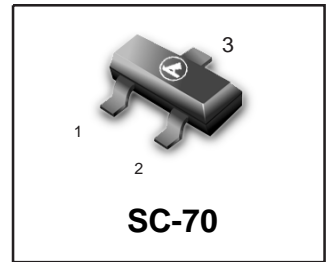
DEVICE MARKING AND ORDERING INFORMATION

| Device | Marking | Shipping |
|-------------|---------|-----------------|
| LDAN202UT1G | N | 3000/Tape&Reel |
| LDAN202UT3G | N | 10000/Tape&Reel |

MAXIMUM RATINGS (Each Diode)

| Rating | Symbol | Value | Unit |
|---|-----------------|-------|---------|
| Reverse Voltage | V_R | 80 | Vdc |
| Forward Current | I_o | 100 | mAdc |
| Peak Forward Surge Current | $I_{FM(surge)}$ | 300 | mAdc |
| Forward voltage($I_f = 100mA$) | V_F | 1.2 | V |
| Reverse current ($V_r = 70V$) | I_R | 0.1 | μA |
| Capacitance between terminals($f = 1MHz$) | C_T | 3.5 | pF |
| Reverse recovery time($V_r = 6V, I_f = 5 mA$) | T_{rr} | 4 | nS |

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ELECTRICAL CHARACTERISTIC CURVES

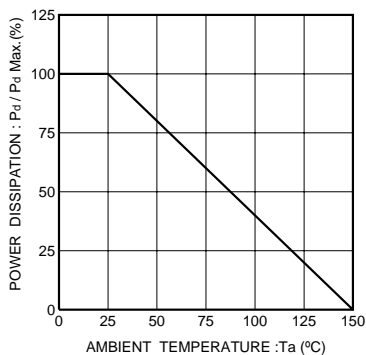


Fig.1 Power attenuation curve

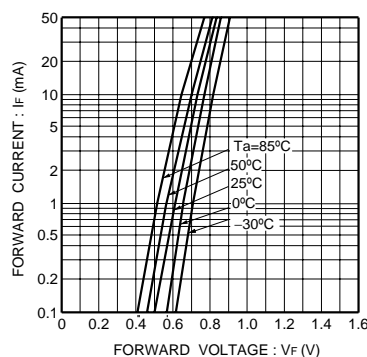


Fig.2 Forward characteristics (P Type)

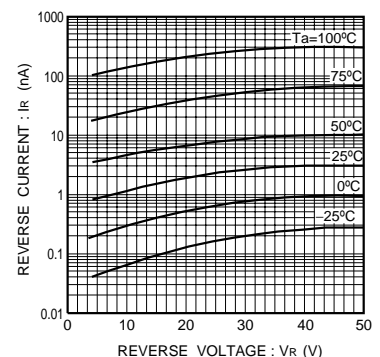


Fig.3 Reverse characteristics (P Type)

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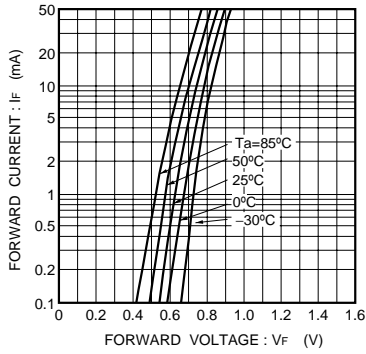


Fig.4 Forward characteristics (N Type)

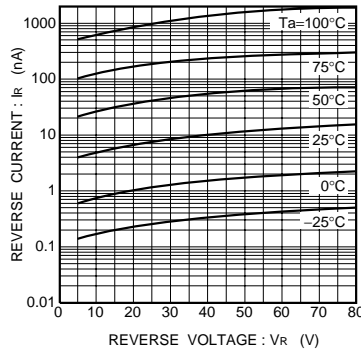


Fig.5 Reverse characteristics (N Type)

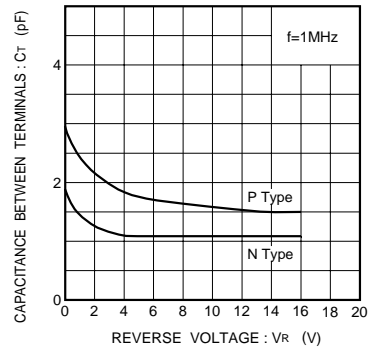


Fig.6 Capacitance between terminals characteristics

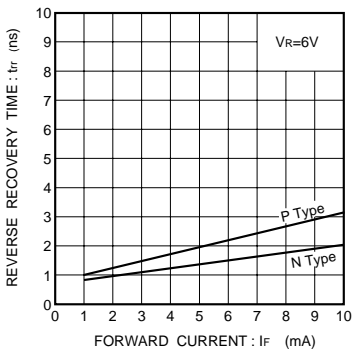


Fig.7 Reverse recovery time

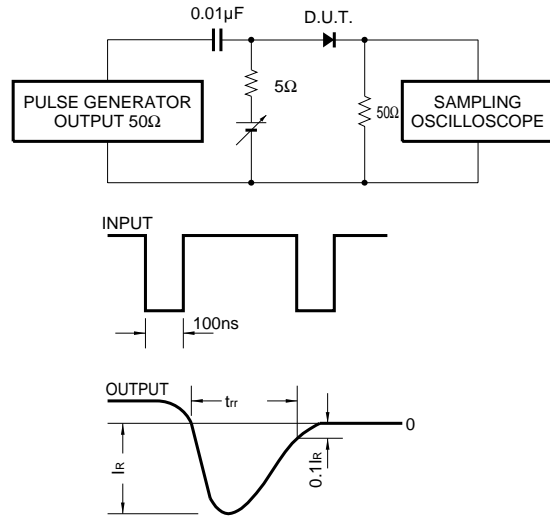


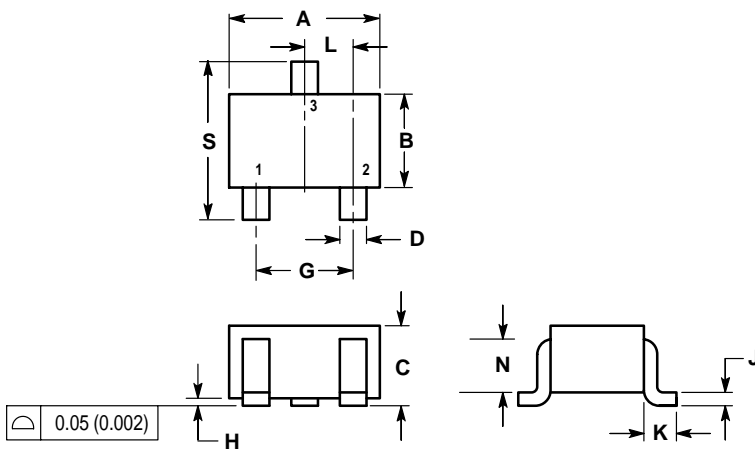
Fig.8 Reverse recovery time (t_{rr}) measurement circuit

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SC-70

NOTES:

1. DIMENSIONING AND TOLERANCING PER ANSI Y14.5M, 1982.
2. CONTROLLING DIMENSION: INCH.



| DIM | INCHES | | MILLIMETERS | |
|-----|-----------|-------|-------------|------|
| | MIN | MAX | MIN | MAX |
| A | 0.071 | 0.087 | 1.80 | 2.20 |
| B | 0.045 | 0.053 | 1.15 | 1.35 |
| C | 0.032 | 0.040 | 0.80 | 1.00 |
| D | 0.012 | 0.016 | 0.30 | 0.40 |
| G | 0.047 | 0.055 | 1.20 | 1.40 |
| H | 0.000 | 0.004 | 0.00 | 0.10 |
| J | 0.004 | 0.010 | 0.10 | 0.25 |
| K | 0.017 REF | | 0.425 REF | |
| L | 0.026 BSC | | 0.650 BSC | |
| N | 0.028 REF | | 0.700 REF | |
| S | 0.079 | 0.095 | 2.00 | 2.40 |

