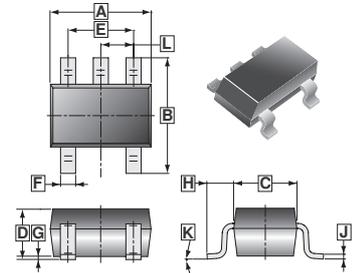


RoHS Compliant Product
A suffix of "-C" specifies halogen & lead-free

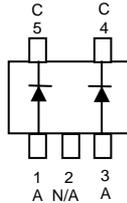
SOT-353



| REF. | Millimeter | | REF. | Millimeter | |
|------|------------|------|------|------------|------|
| | Min. | Max. | | Min. | Max. |
| A | 2.00 | 2.20 | G | 0.100 | REF. |
| B | 2.15 | 2.45 | H | 0.525 | REF. |
| C | 1.15 | 1.35 | J | 0.08 | 0.15 |
| D | 0.90 | 1.10 | K | 8° | |
| E | 1.20 | 1.40 | L | 0.650 TYP. | |
| F | 0.15 | 0.35 | | | |

FEATURES

- ◆ Low Current Rectification
- ◆ High Reliability



MARKING:3U

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

| TYPE NUMBER | SYMBOL | VALUE | UNIT |
|--------------------------------|----------------|--------------|------|
| Peak Reverse Voltage | V_{RM} | 30 | V |
| DC Reverse | V_R | 30 | V |
| Peak Forward Surge Current | I_{FSM} | 1 | A |
| Mean Rectifying Current | I_O | 0.2 | A |
| Junction & Storage Temperature | T_J, T_{STG} | 125, -40~125 | °C |

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Rating 25°C ambient temperature unless otherwise specified.

| PARAMETER | SYMBOL | MIN | MAX | UNIT | TEST CONDITION |
|-----------------|--------|-----|------|------|----------------|
| Forward Voltage | V_F | - | 0.28 | V | $I_F=1mA$ |
| | | - | 0.33 | V | $I_F=10mA$ |
| | | - | 0.43 | V | $I_F=100mA$ |
| | | - | 0.5 | V | $I_F=200mA$ |
| Reverse Current | I_R | - | 30 | µA | $V_R=10V$ |

RATINGS AND CHARACTERISTIC CURVES

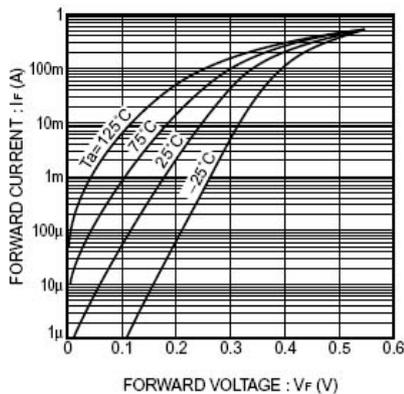


Fig. 1 Forward temperature characteristic

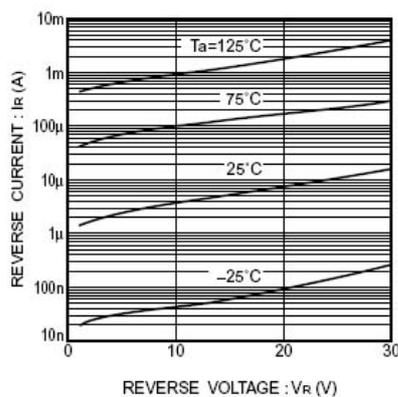


Fig. 2 Reverse temperature characteristic

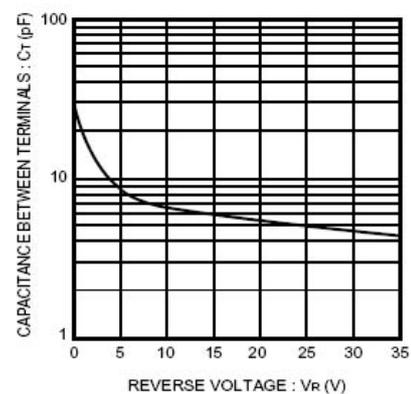


Fig. 3 Capacitance between terminals characteristic