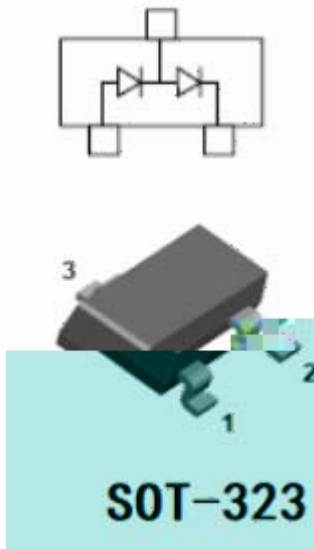


Dual Switching Diode



Features

- Moisture sensitivity level 1
- Reverse voltage 75V
- Average forward current 150mA

Application

- Signal switching
- High frequency rectifier

Mechanical data

- Package** SOT-323
- Terminals** Tin plated leads, solderable per J-STD-002 and JESD22-B102

Maximum Ratings (T_a=25 °C Unless otherwise specified)

| Parameter ^a | Symbol | Unit | Value |
|---|------------------|------|-------------|
| Reverse recovery time | t _{RRM} | ns | 15 |
| Forward current per leg | I _F | mA | 150 |
| Non-repetitive surge peak forward current 10ms half-sine wave | I _{FSM} | A | 2 |
| Non-repetitive surge peak forward current 1ms square wave | I _{FSM} | A | 2 |
| Power dissipation | P | mW | 200 |
| Operating junction temperature | T _J | °C | -55 to +150 |
| Storage temperature | T _{STG} | °C | -55 to +150 |



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| Parameter | Symbol | UNIT | Conditions | Min | Typ | Max |
|-------------------------|----------|---------|---|-----|-----|-------|
| Reverse voltage | V_R | V | $I_R=100\mu A$ | 75 | | |
| Forward voltage | V_{F1} | V | $I_F=1mA$ | | | 0.715 |
| | V_{F2} | V | $I_F=10mA$ | | | 0.855 |
| | V_{F3} | V | $I_F=50mA$ | | | 1 |
| | V_{F4} | V | $I_F=150mA$ | | | 1.25 |
| Reverse leakage current | I_R | μA | $V_R=75V$ | | | 2.5 |
| Junction capacitance | C_j | pF | $V_R=0V, f=1MHz$ | | | 2 |
| Reverse recovery time | T_{rr} | ns | $I_F=I_R=10mA$ $I_{rr}=0.1 \cdot I_R,$ $R_L=100$ | | | 4 |

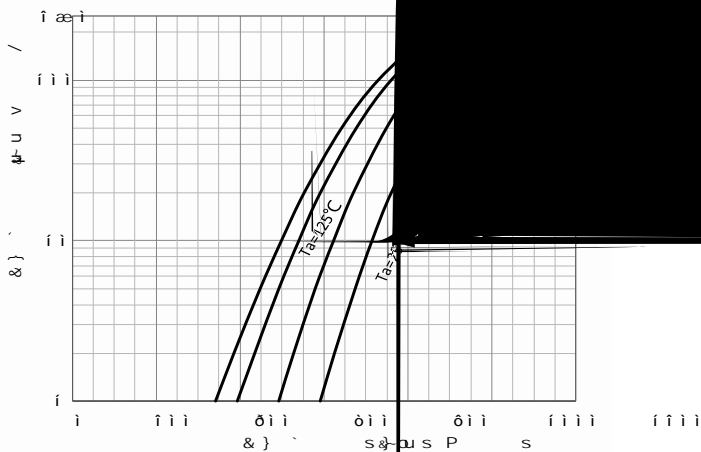
| Parameter | Symbol | Unit | |
|-----------|--------|------|--|
|-----------|--------|------|--|



Characteristics

Fig 1 Pb-Ta Cu

Fig 3 Typical Forward C





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Ordering Information

| Preferred P/N | Packing code | Unit weight(g) | Minimum package(pcs) | Inner box quantity(pcs) | Outer carton quantity (pcs) | Delivery mode |
|---------------|--------------|-------------------|----------------------|-------------------------|-----------------------------|---------------|
| BAV99WT | F2 | Approximate 0.005 | 3000 | 30000 | 120000 | 7" reel |

Outline Dimensions

Suggested Pad Layout



Disclaimer

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