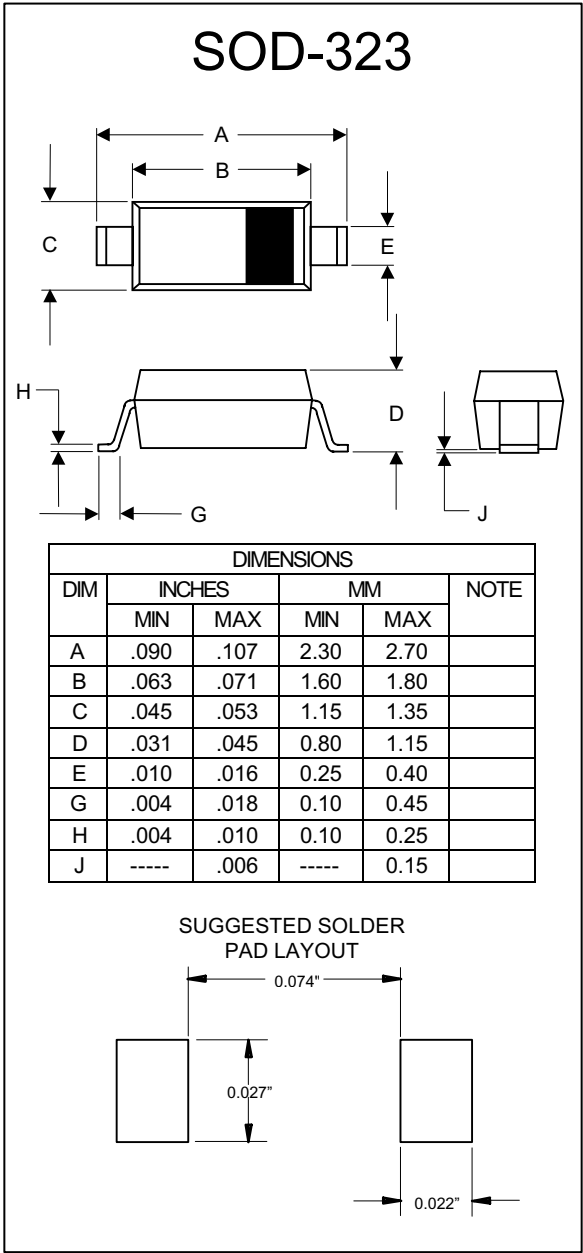


BAS70WX

Surface Mount Schottky Barrier Diode 200mW



Features

- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Fast Switching Speed
- Low Turn-on Voltage
- Surface Mount Package Ideally Suited for Automatic Insertion
- PN Junction Guard Ring for Transient and ESD Protection

Mechanical Data

- Marking :K73
- Polarity: Indicated by Cathode Band
- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1

Maximum Ratings @ 25°C Unless Otherwise Specified

| Characteristic | Symbol | Value | Unit |
|------------------------------------|--------------|-------------|------|
| Peak Repetitive Reverse Voltage | V_{RRM} | | V |
| Working Peak Reverse Voltage | V_{RWM} | 70 | V |
| DC Blocking Voltage | V_R | | V |
| RMS Reverse Voltage | $V_{R(RMS)}$ | 49 | V |
| Forward Continuous Current(Note 1) | I_F | 70 | mA |
| Forward Surge Current @ $t < 1.0s$ | I_{FSM} | 100 | mA |
| Power Dissipation(Note 1) | P_d | 200 | mW |
| Thermal Resistance(Note 1) | R | 625 | K/W |
| Operation Temp. Range | T_j | -55 to +125 | °C |
| Storage Temp. Range | T_{STG} | -65 to +150 | °C |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| Charateristic | Symbol | Min | Max | Unit | Test Cond. |
|-------------------------|----------|-------|-----------|------|---|
| Forward Voltage | V_F | ----- | 0.41 1 | V | $t_p < 300us$ $I_F = 1.0mA$ $t_p < 300us$ $I_F = 15mA$ |
| Reverse Leakage Current | I_R | ----- | 100 | nA | $t_p < 300us$ $V_R = 50V$ |
| Junction Capacitance | C_j | ----- | 2 | pF | $V_R = 0V$, $f = 1.0MHz$ |
| Reverse Recovery Time | t_{rr} | ----- | 5 | ns | $I_F = I_R = 10mA$ $I_R = 1.0mA$, $R_L = 100OHM$ |

Notes: 1. Valid provided that terminals are kept at ambient temperature.



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Ordering Information :

| Device | Packing |
|----------------|-----------------------|
| Part Number-TP | Tape&Reel: 3Kpcs/Reel |

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