## BAW56 / BAV70 / BAV99 / BAL99

## Surface Mount Switching Diodes

VOLTAGE 100 Volt POWER 250 mWatt

## FEATURES

- Fast switching speed.
- Surface mount package ideally suited for automatic insertion
- Electrically identical to Standard JEDEC
- High Conductance
- Lead free in compliance with EU RoHS 2.0
- Green molding compound as per IEC 61249 standard


## MECHANICAL DATA

- Case : SOT-23, Plastic
- Terminals : Solderable per MIL-STD-750, Method 2026
- Apporx. Weight : 0.0084 grams



## MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at $25^{\circ} \mathrm{C}$ ambient temperature unless otherwise specified. For capacitive load, derate current by $20 \%$.


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FIG. 1-TYPICAL FORWARD CHARACTERISTIC


FIG. 3 TYPICAL JUNCTION CAPACITANCE



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## Product and Packing Information

| Part No. | Package Type | Packing Type | Marking |
| :---: | :---: | :---: | :---: |
| BAW56 | SOT-23 | $3 \mathrm{~K} \mathrm{pcs} \mathrm{/} \mathrm{7"} \mathrm{reel}$ | JC |
| BAV70 | SOT-23 | $3 \mathrm{~K} \mathrm{pcs} \mathrm{/} \mathrm{7"} \mathrm{reel}$ | JA |
| BAV99 | SOT-23 | $3 \mathrm{~K} \mathrm{pcs} \mathrm{/} \mathrm{7"} \mathrm{reel}$ | JB |
| BAL99 | SOT-23 | $3 \mathrm{~K} \mathrm{pcs} \mathrm{/7"} \mathrm{reel}$ | JF |

## Mounting Pad Layout



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