

Features

- Integrated Diffused Guard Ring
- Low Forward Voltage
- · For Low-Loss, Fast-Recovery, Meter Protection, **Bias Isolation and Clamping Applications**
- Epoxy Meets UL 94 V-0 Flammability Rating
- Halogen Free Available Upon Request By Adding Suffix "-HF"
- Moisture Sensitivity Level 1
- Lead Free Finish/RoHS Compliant ("P" Suffix Designates RoHS Compliant. See Ordering Information)

Maximum Ratings

- Operating Junction Temperature Range: -55°C to +150°C
- Storage Temperature Range: -55°C to +150°C
- Thermal Resistance: 500°C/W Junction to Ambient

| MCC Part Number | Device Marking | Maximum Recurrent Peak Reverse Voltage | Maximum DC Blocking Voltage |
|--------------------|-------------------|---|-----------------------------------|
| BAT64-04 | 64S | 40V | 40V |
| BAT64-05 | 65S | 40V | 40V |
| BAT64-06 | 66S | 40V | 40V |

Electrical Characteristics @ 25°C Unless Otherwise Specified

| | 1 | | |
|--|--------------------|----------------------------------|--|
| Average Forward Current | I _{F(AV)} | 250mA | |
| Peak Forward Surge Current | I _{FSM} | 800mA | |
| Power Dissipation | P _d | 250mW | T _A = 25 °C |
| Maximum Forward Voltage | V _F | 350mV 430mV 520mV 750mV | I _F =1.0mA I _F =10mA I _F =30mA I _F =100mA |
| Maximum DC Reverse Current At Rated DC Blocking Voltage | I _R | 2μΑ | V _R = 25V |
| Typital Junction Capacitance | Ст | 6.0pF | Measured at 1.0MHz, V _R =5.0V |

Internal Structure:



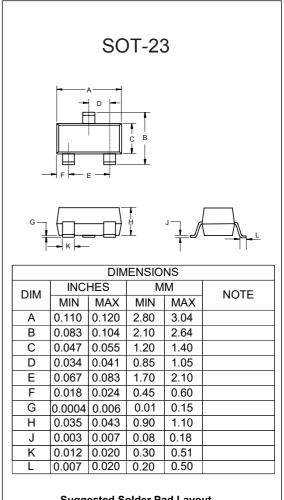


BAT64-04

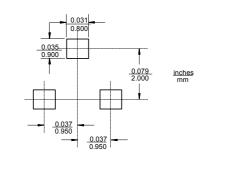
BAT64-05



250mW,40V Small **Signal Schottky** Diode

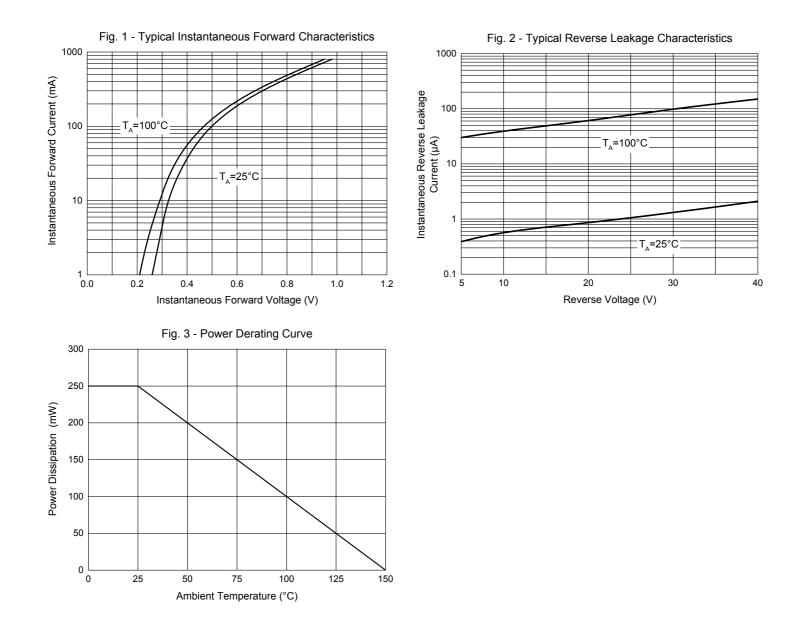


Suggested Solder Pad Layout





Curve Characteristics





Ordering Information

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

Note : Adding "-HF" Suffix For Halogen Free, eg. Part Number-TP-HF

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