

**SOT-323 PLASTIC ENCAPSULATE
SWITCHING DIODE**

FEATURES

- * Power dissipation
PD: □ 200 □ mW (Tamb=25°C)
- * Collector current
Io: □ 150 □ mA (Tamb=25°C)
- * Collector - base voltage
VR: □ 75 □ V
- * Operating and storage junction temperature range
TJ, Tstg: -55°C to +150°C

MECHANICAL DATA

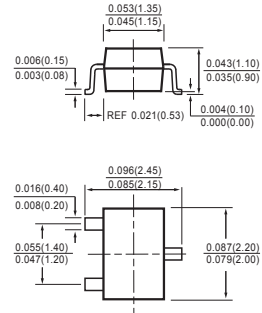
- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.006 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



SOT-323



ELECTRICAL CHARACTERISTICS (@ TA = 25°C unless otherwise noted)

| CHARACTERISTICS | SYMBOL | MIN | TYP | MAX | UNITS |
|---|--------|-----|-----|------|-------|
| Reverse breakdown voltage (IR= 100mA) | V(BR) | 75 | - | - | V |
| Reverse voltage leakage current (VR= 75V) | IR | - | - | 2.5 | mA |
| Forward voltage (IF= 1mA) (IF= 10mA) (IF= 50mA) (IF= 150mA) | VF | - | - | 715 | mV |
| | | - | - | 855 | |
| | | - | - | 1000 | |
| | | - | - | 1250 | |
| Diode capacitance(VR= 0V, f= 1MHz) | CD | - | - | 2 | pF |
| Reverse recovery time (IF= IR= 10mA, Irr= 0.1 x IR, RL= 100Ω) | tr | - | - | 4 | nS |

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