

SOT-23 SWITCHING DIODE

FEATURES

- * Power dissipation
P_d: 150 mW(T_{amb}=25°C)
- * Forward current
I_F: 100 mA
- * Reverse voltage
V_R: 80 V
- * Operating and storage junction temperature range
T_J,T_{stg}: -55°Cto+150°C

MECHANICAL DATA

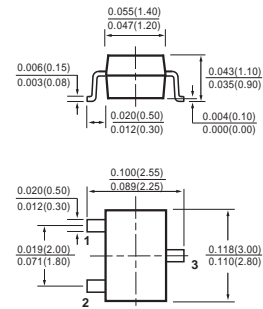
- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.008 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



SOT-23



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

| CHARACTERISTICS | SYMBOL | MIN. | TYP. | MAX. | UNITS |
|---|-------------------|------|------|------|-------|
| Reverse Breakdown Voltage (I _R =100μA) | V _(BR) | 80 | - | - | V |
| Reverse voltage leakage current (V _R =80V) | I _R | - | - | 0.5 | μA |
| Forward voltage (I _F =100mA) | V _F | - | - | 1.2 | V |
| Diode capacitance (V _R =0V,f=1MHz) | C _D | - | - | 4 | pF |
| Reverse recovery time | t _{rr} | - | - | 4 | ns |

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