

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°C to +150°C

MECHANICAL DATA

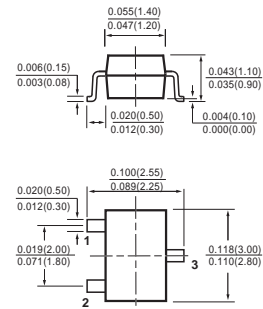
- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.008 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



SOT-23



Dimensions in inches and (millimeters)

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	-	-	3	pF
Reverse recovery time	t _{rr}	-	-	4	ns

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