

**SOT-23 PLASTIC-ENCAPSULATE
SCHOTTKY DIODE**

FEATURES

- * Power dissipation
P_D: □ 350 □ mW (T_{amb}=25°C)
- * Forward current
I_F: □ □ 100 □ mA
- * Reverse voltage
V_R: □ 30 □ V
- * Operating and storage junction temperature range
T_J, T_{stg}: -55°C to +150°C

MECHANICAL DATA

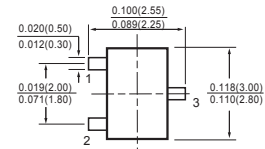
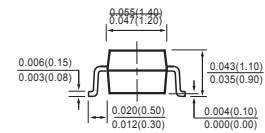
- * Case: Molded plastic
- * Epoxy: UL 94V-O rate flame retardant
- * Lead: MIL-STD-202E method 208C guaranteed
- * Mounting position: Any
- * Weight: 0.008 gram

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25 °C ambient temperature unless otherwise specified.



SOT-23



Dimensions in inches and (millimeters)

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

CHARACTERISTICS	SYMBOL	MIN	TYP	MAX	UNITS
Reverse Breakdown Voltage (I _R =100μA)	V _(BR)	30	-	-	V
Reverse voltage leakage current (V _R =25V)	I _R	-	-	500	nA
Reverse voltage leakage current (V _R =25V, T _A = 100°C)		-	-	100	μA
Forward voltage (I _F =2mA)	V _F	-	-	0.33	V
Forward voltage (I _F =15mA)		-	-	0.45	V
Forward voltage (I _F =100mA)		-	-	1	V
Diode capacitance (V _R =0V, f=1MHz)	C _{tot}	-	-	8	pF
Reverse recovery time (I _F =I _R =10mA, I _{RR} =1.0mA, R _L =100Ω)	t _{rr}	-	-	5	ns

Marking	DB1
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Note 1: "Fully ROHS compliant", "100% Sn plating (Pb-free)".

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