

**SOT-23 SWITCHING DIODE**

**FEATURES**

- \* Power dissipation  
P<sub>d</sub>: 150 mW(T<sub>amb</sub>=25°C)
- \* Forward current  
I<sub>F</sub>: 100 mA
- \* Reverse voltage  
V<sub>R</sub>: 80 V
- \* Operating and storage junction temperature range  
T<sub>J</sub>,T<sub>stg</sub>: -55°Cto+150°C

**MECHANICAL DATA**

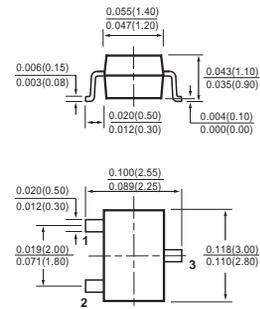
- \* Case: Molded plastic
- \* Epoxy: UL 94V-O rate flame retardant
- \* Lead: MIL-STD-202E method 208C guaranteed
- \* Mounting position: Any
- \* Weight: 0.008 gram

**MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS**

Ratings at 25 °C ambient temperature unless otherwise specified.



**SOT-23**



**ELECTRICAL CHARACTERISTICS** ( @ T<sub>A</sub> = 25°C unless otherwise noted )

CHARACTERISTICS	SYMBOL	MIN.	TYP.	MAX.	UNITS
Reverse Breakdown Voltage (I <sub>R</sub> =100μA)	V <sub>(BR)</sub>	80	-	-	V
Reverse voltage leakage current (V <sub>R</sub> =80V)	I <sub>R</sub>	-	-	0.5	μA
Forward voltage (I <sub>F</sub> =100mA)	V <sub>F</sub>	-	-	1.2	V
Diode capacitance (V <sub>R</sub> =0V,f=1MHz)	C <sub>D</sub>	-	-	4	pF
Reverse recovery time	t <sub>rr</sub>	-	-	4	ns

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