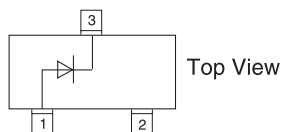
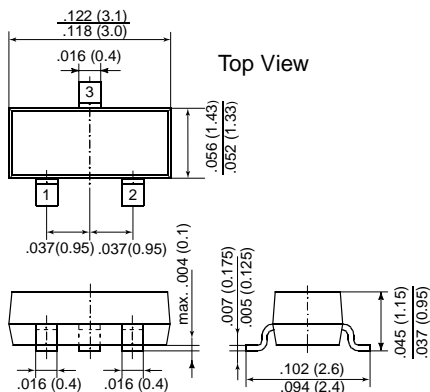


MMBD914

SMALL SIGNAL SWITCHING DIODE

SOT-23



Dimensions in inches and (millimeters)

FEATURES

- ◆ Silicon Epitaxial Planar Diode
- ◆ Fast switching diode in case SOT-23, especially suited for automatic insertion.



MECHANICAL DATA

Case: SOT-23 Plastic Package

Weight: approx. 0.008 g

Marking Code: 5D

MAXIMUM RATINGS AND ELECTRICAL CHARACTERISTICS

Ratings at 25°C ambient temperature unless otherwise specified.

	<i>Symbol</i>	<i>Value</i>	<i>Unit</i>
Peak Reverse Voltage	V_{RM}	100	V
Maximum Average Rectified Current	I_o	200	mA
Maximum Power Dissipation at $T_{amb} = 25^{\circ}C$	P_{tot}	225	mW
Maximum Junction Temperature	T_j	150	$^{\circ}C$
Storage Temperature Range	T_S	-55 to +150	$^{\circ}C$
Maximum Forward Voltage Drop at $I_F = 10$ mA	V_F	1.0	V
Maximum Reverse Current at $V_R = 20V$ $V_R = 75 V$	I_R	25 5.0	nA μA
Max. Reverse Recovery Time at $I_F = I_R = 10mA$, $V_R = 6V$ $R_L = 100\Omega$ to $I_{rr} = 1$ mA	t_{rr}	4.0	ns
Maximum Capacitance at $V_R=0$, $f=1.0$ MHz	C_{tot}	4.0	pF