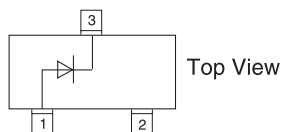
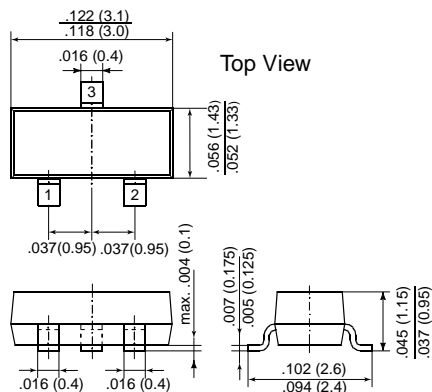


# MMBD914

## 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 $V_R = 20$ V $V_R = 75$ V	$I_R$	25 5.0	nA $\mu$ A
Max. Reverse Recovery Time at $I_F = I_R = 10$ mA, $V_R = 6$ V $R_L = 100\Omega$ 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