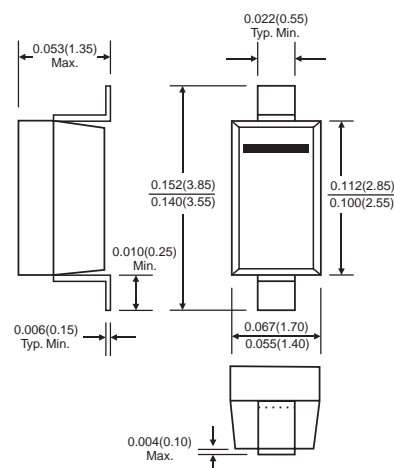


## SOD-123



Dimensions in inches and (millimeters)

## Features

- ◇ SOD-123 surface mount package.
- ◇ High breakdown voltage.
- ◇ Fast speed switching time.

## Applications

- ◇ Surface mount fast switching diode

## Ordering Information

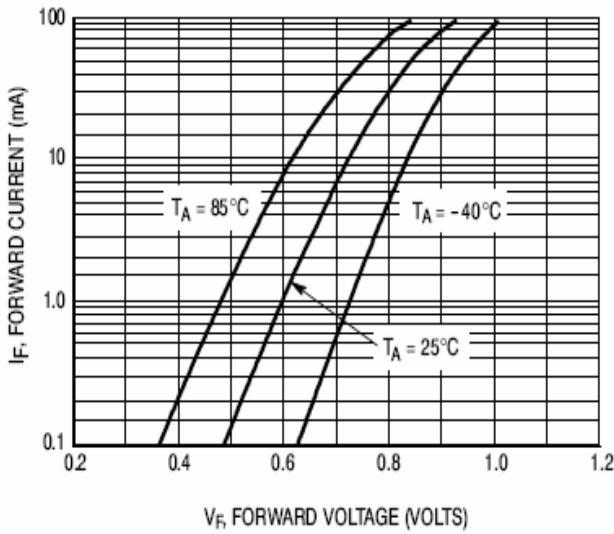
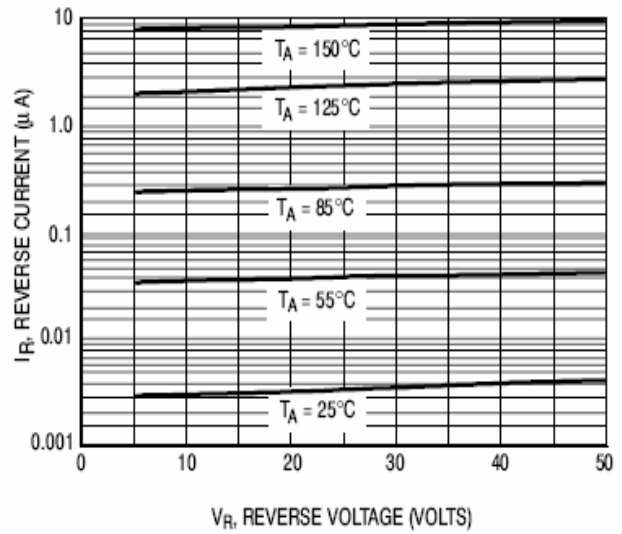
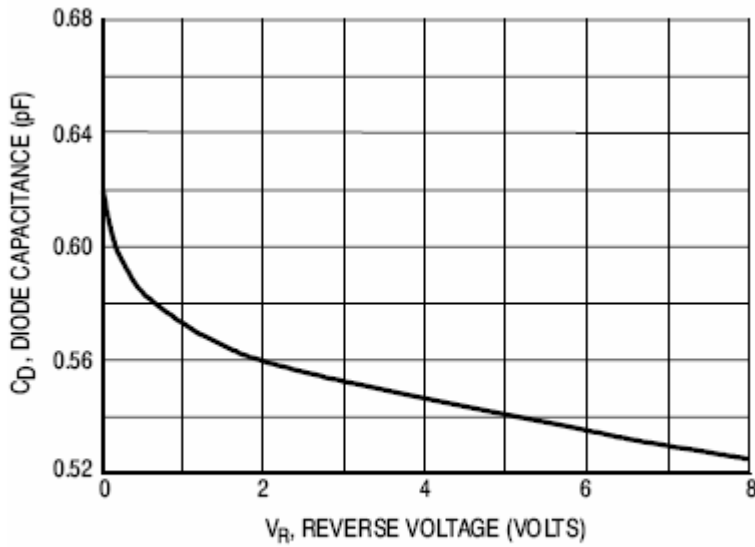
Type No.	Marking	Package Code
MMSD914	5D	SOD-123

## MAXIMUM RATING @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Value	Unit
Continuous reverse Voltage	$V_R$	100	V
Forward Continuous Current	$I_F$	200	mA
Peak Forward Surge Current	$I_{FSM}$	1.0 2.0	A
	@t=1s @t=1ms		
Power Dissipation	$P_d$	425	mW
Thermal Resistance, Junction to Ambient	$R_{\theta JA}$	290	°C/W
Operating and Storage Temperature Range	$T_j, T_{STG}$	-55 to +150	°C

## ELECTRICAL CHARACTERISTICS @ Ta=25°C unless otherwise specified

Characteristic	Symbol	Min	Max	Unit	Test Condition
Reverse Breakdown Voltage	$V_{(BR)R}$	100	-	V	$I_R=100\mu A$
Forward Voltage	$V_F$	-	1.0	V	$I_F=10mA$
Reverse Current	$I_R$	-	25 5.0	$\mu A$ nA	$V_R=20V$ $V_R=75V$
Diode Capacitance	$C_D$	-	4.0	pF	$V_R=0, f=1.0MHz$
Reverse Recovery Time	$t_{rr}$	-	4.0	ns	$I_F=I_R=10mA$

**TYPICAL CHARACTERISTICS @  $T_A=25^\circ\text{C}$  unless otherwise specified**

**Figure 1. Forward Voltage**

**Figure 2. Leakage Current**

**Figure 3. Capacitance**

PACKAGE	SPQ/PCS	CARTON SPQ/PCS	CARTON SIZE/CM	CARTON GW/KG	CARTON NW/KG
SOD-123FL	3000/REEL	90000	40X20X22	5.00	4.00

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[D291S45T](#) [BAS 16-02L E6327](#) [BAS 16-02V H6327](#) [BAS 21U E6327](#) [BAS 28 E6327](#) [BAW56DWQ-7-F](#) [BAW56M3T5G](#) [BAW75-TAP](#)  
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