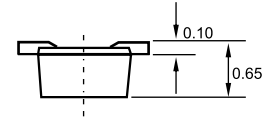
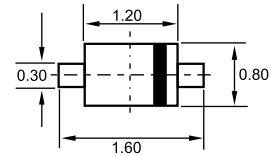


## SOD-523



Dimensions in inches and (millimeters)

## Features

- ◇ Low forward voltage.
- ◇ Small package.

## Applications

- ◇ Schottky diode in surface mounted circuits.

## Ordering Information

Type No.	Marking	Package Code
1SS389	S4	SOD-523

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

Parameter	Symbol	Limits	Unit
Peak reverse voltage	$V_{RM}$	15	V
DC Reverse voltage	$V_R$	10	V
Continuous forward current	$I_F$	100	mA
Surge current	$I_{FSM}$	1	A
Total power dissipation	$P_{tot}$	150	mW
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55-125	°C

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

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)R}$	10			V	$I_R=100\mu A$
Forward voltage	$V_F$		0.18		V	$I_F=1mA$
			0.23	0.30	V	$I_F=5mA$
			0.35	0.50	V	$I_F=100mA$
Reverse current	$I_R$			20	$\mu A$	$V_R=10V$
Diode capacitance	$C_d$		20	40	pF	$V_R=0, f=1MHz$

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

