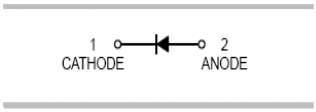
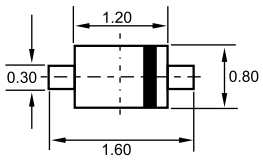
1SS389

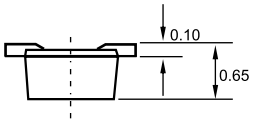
Schottky Barrier Diode





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℃ 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	℃
Storage temperature	T_{stg}	-55-125	℃

ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)R}$	10			V	I_R=100μA
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	μA	V_R=10V
Diode capacitance	C_d		20	40	pF	V_R=0,f=1MHz

1SS389

Schottky Barrier Diode

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

