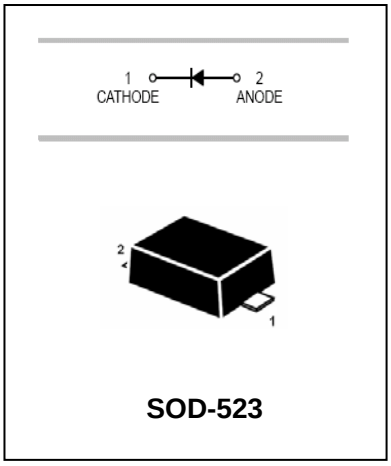
Schottky Barrier Diode 1SS389

FEATURES

- Low forward voltage.
- Small package.

Lead-free



SOD-523

APPLICATIONS

- High speed switching application.

ORDERING INFORMATION

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

MAXIMUM RATING @ Ta=25℃ unless otherwise specified

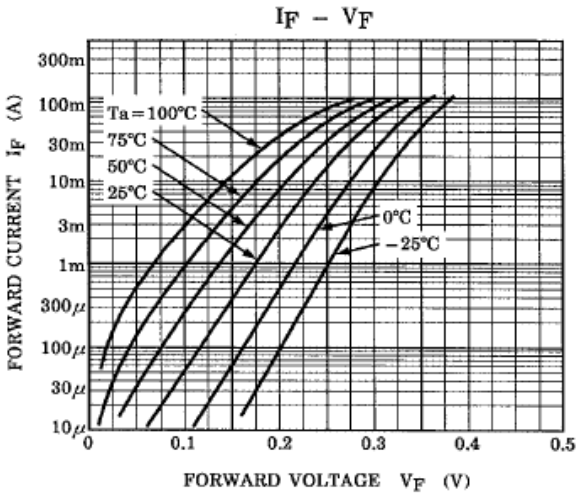
Parameter	Symbol	Limits	Unit
Peak reverse voltage	V_{RM}	15	V
DC Reverse voltage	V_R	10	V
Maximum(peak) forward current	I_{FM}	200	mA
Continuous forward current	I_F	100	mA
Surge current	I_{FSM}	1	A
Total power dissipation	P_{tot}	150	mW
Junction temperature	T_j	125	℃
Storage temperature	T_{stg}	-55 to +125	℃
Operating temperature range	T_{opr}	-40 to +100	℃

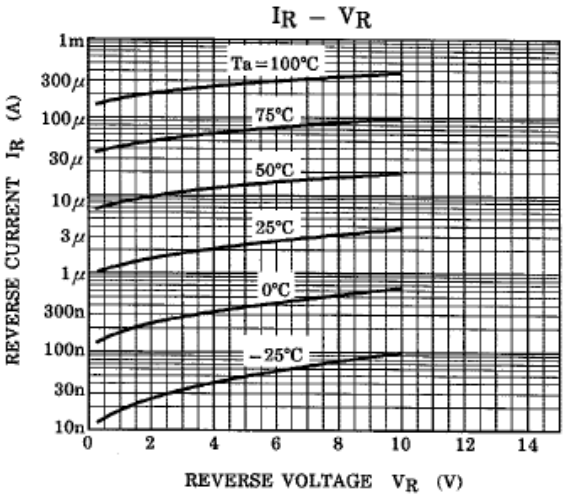
ELECTRICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified

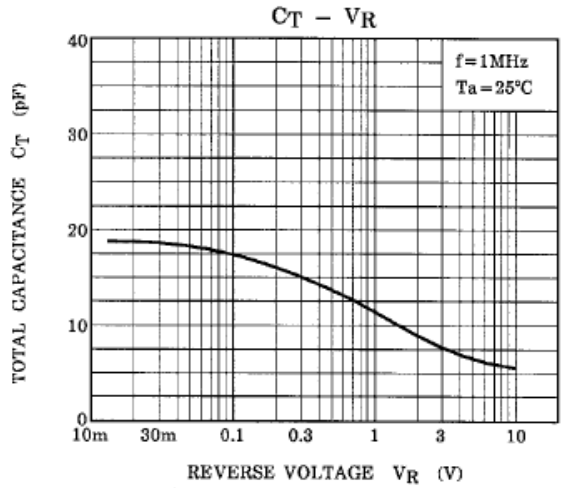
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Reverse breakdown voltage	$V_{(BR)R}$	10			V	I_R=50μA
Forward voltage	V_F		0.18		V	I_F=1mA
			0.23	0.30	V	I_F=5mA
			0.35	0.50	V	I_F=100mA
Reverse current	I_R			20	μA	V_R=10V
Diode capacitance	C_d		20	40	pF	V_R=0,f=1MHz

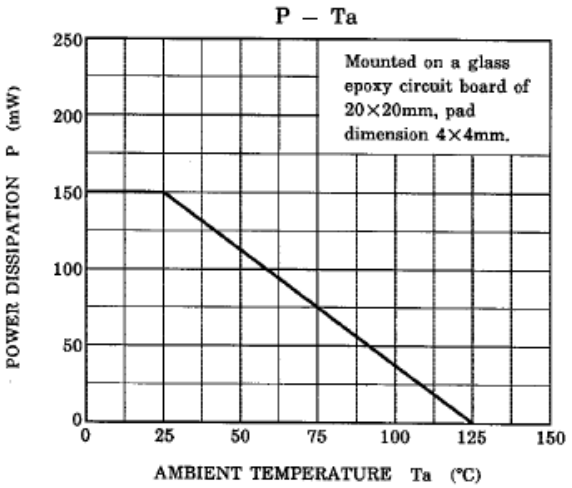
Schottky Barrier Diode 1SS389

TYPICAL CHARACTERISTICS @ Ta=25℃ unless otherwise specified





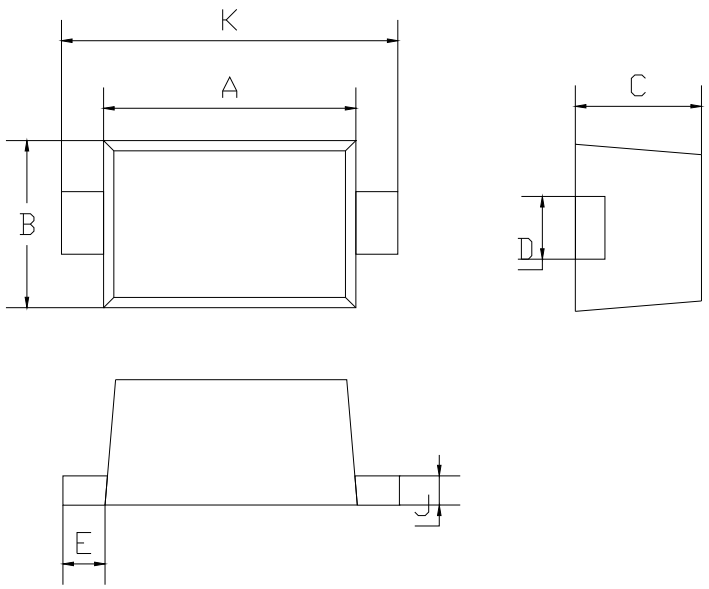




Schottky Barrier Diode **1SS389**

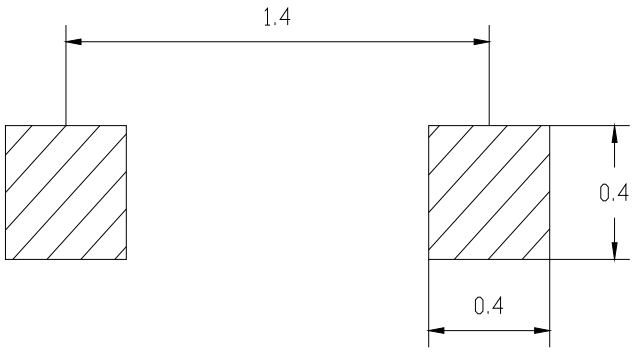
PACKAGE OUTLINE

Plastic surface mounted package SOD-523



SOD-523		
Dim	Min	Max
A	1.1	1..3
B	0.7	0.9
C	0.5	0.7
D	0.3 Typical	
E	0.15	0.25
J	0.1 Typical	
K	1.5	1.7
All Dimensions in mm		

SOLDERING FOOTPRINT



Unit：mm

PACKAGE INFORMATION

Device	Package	Shipping
1SS389	SOD-523	3000/Tape&Reel