

1SS400BS

1SS400BS Fast Switching Diode

General description

Fast Switching Diode in a SOD-882 Plastic Package.

FEATURES

- High Speed Switching
- Small Surface Mounting Type
- Green EMC
- RoHS Compliant
- Matte Tin(Sn) Lead Finish
- Band Indicates Cathode

Green Product



SOD882 Package



Device Marking Code:

Device Type	Device Marking
1SS400BS	3 or S3

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

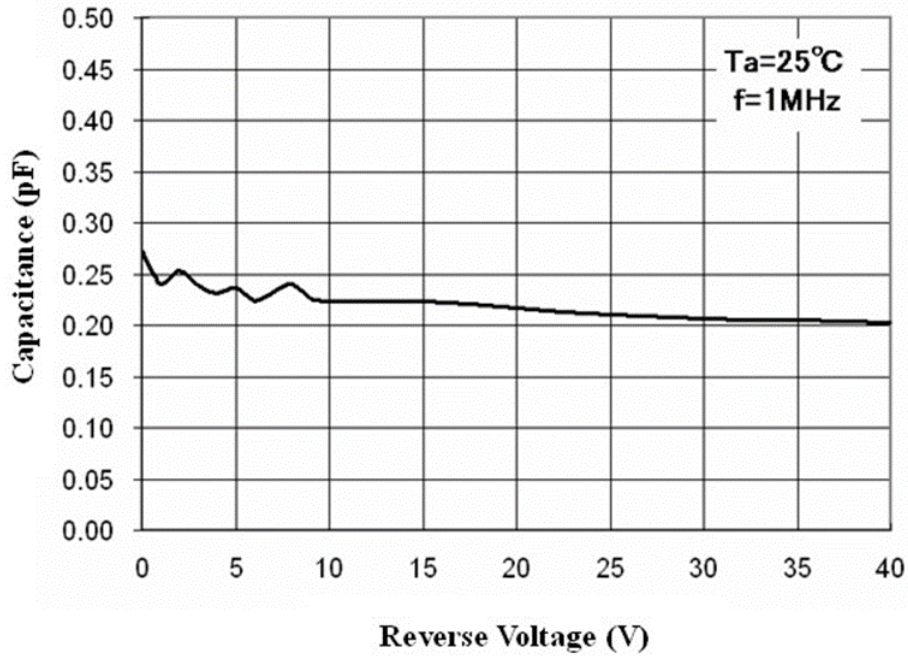
Symbol	Parameter	Value	Units
P _D	Power Dissipation	150	mW
T _{STG}	Storage Temperature Range	-55 to +125	°C
T _J	Operating Junction Temperature	+125	°C
V _{RM}	Peak Reverse Voltage	90	V
V _R	DC Reverse Voltage	80	V
I _{FM}	Peak Forward Current	225	mA
I _{surge}	Surge Forward Current (Pulse Width=1s)	500	mA

Electrical Characteristics T_A = 25°C unless otherwise noted

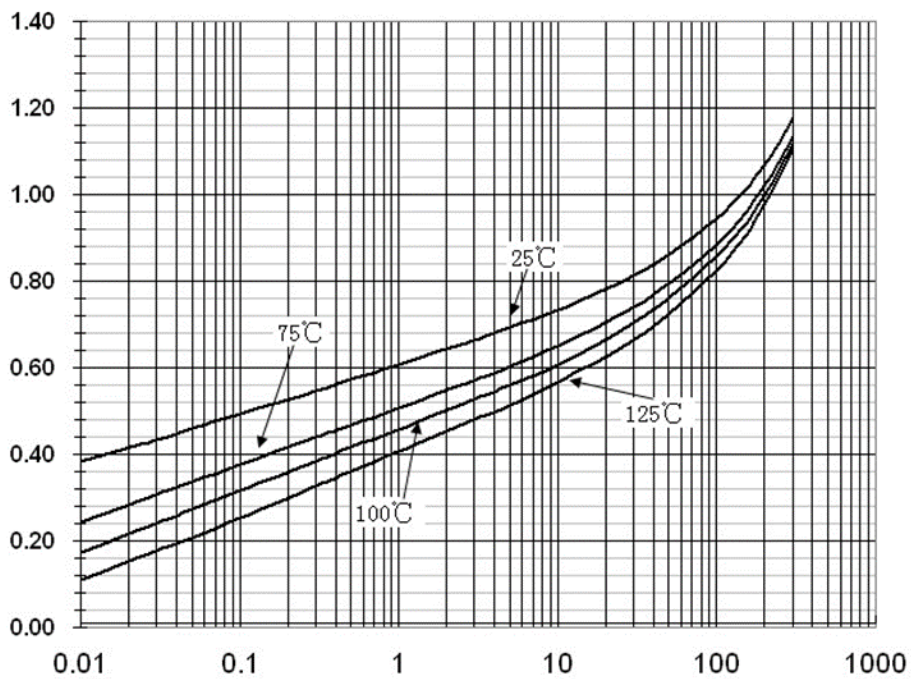
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
V _F	Forward Voltage	I _F =100mA		1.2	Volts
I _R	Reverse Current	V _R =80V		0.1	uA
C _T	Capacitance between terminals	V _R =0.5V, f=1MHz		4	pF
t _{rr}	Forward Voltage	V _R =6V, I _F =10mA, R _L =100Ω		4	nS

RATING AND CHARACTERISTIC CURVES

Total Capacitance

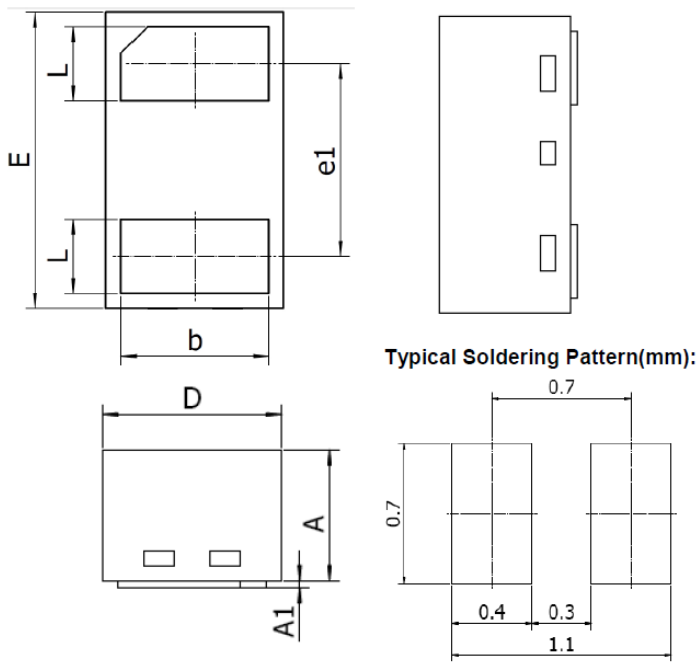


Forward Voltage vs Ambient Temperature



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SOD882 Package Outline



Typical Soldering Pattern(mm):

DIM	MILLIMETERS		INCHES	
	MIN	MAX	MIN	MAX
A	0.46	0.50	0.018	0.020
A1	---	0.03	---	0.001
b	0.45	0.55	0.018	0.022
D	0.55	0.65	0.022	0.026
E	0.95	1.05	0.037	0.041
e1	Typ. 0.65		Typ. 0.026	
L	0.20	0.30	0.008	0.012

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