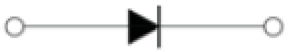
PRIMARY CHARACTERISTICS	
V_R	80V
I_{FM}	225mA
V_F	1.2V
$T_{J,Max}$	125℃

SOD-882 PACKAGE

Marking : 3



FEATURES

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

MECHANICAL DATA

- Case：Molded plastic,SOD-882
- Polarity：Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant

Absolute Maximum Ratings T_A = 25°C unless otherwise noted

Symbol	Parameter	Value	Units
P_D	Power Dissipation	150	mW
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
T_J	Operating Junction Temperature	+125	°C
T_{STG}	Storage Temperature Range	-55 to +125	°C

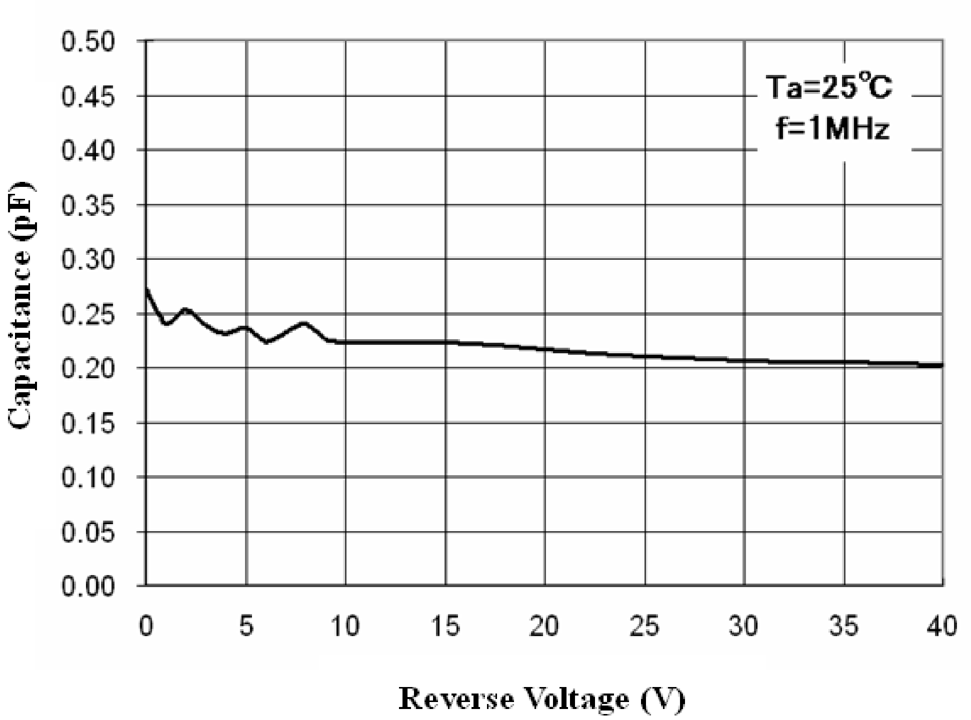
These ratings are limiting values above which the serviceability of the diode may be impaired.

Electrical Characteristics T_A = 25°C unless otherwise noted

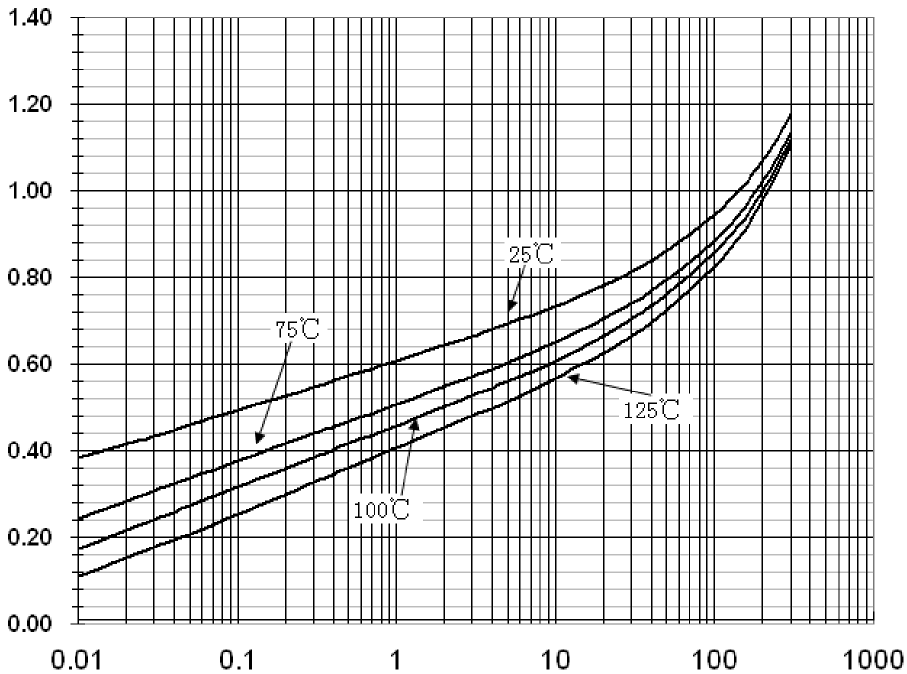
Symbol	Parameter	Test Condition	Limits		Unit
			Min	Max	
V_F	Forward Voltage	I_F=100mA		1.2	Volts
I_R	Reverse Current	V_R=80V		0.1	uA
C_T	Capacitance between terminals	V_R=0.5V, f=1MHz		4	pF
t_{rr}	Forward Voltage	V_R=6V, I_F=10mA, R_L=100Ω		4	nS

Typical Performance Characteristics

Total Capacitance

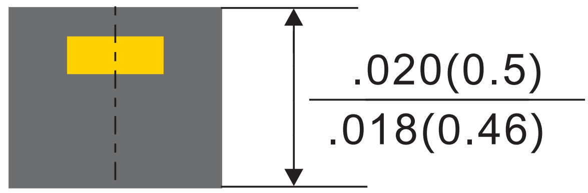


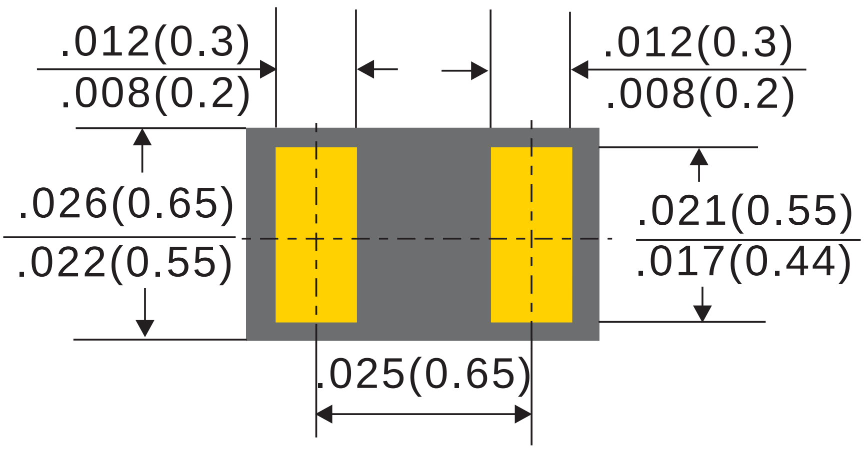
Forward Voltage vs Ambient Temperature

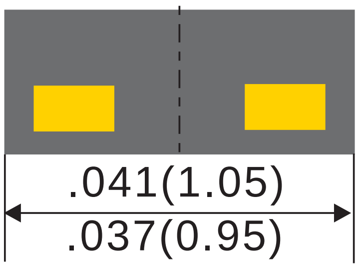


Outline Drawing

SOD-882



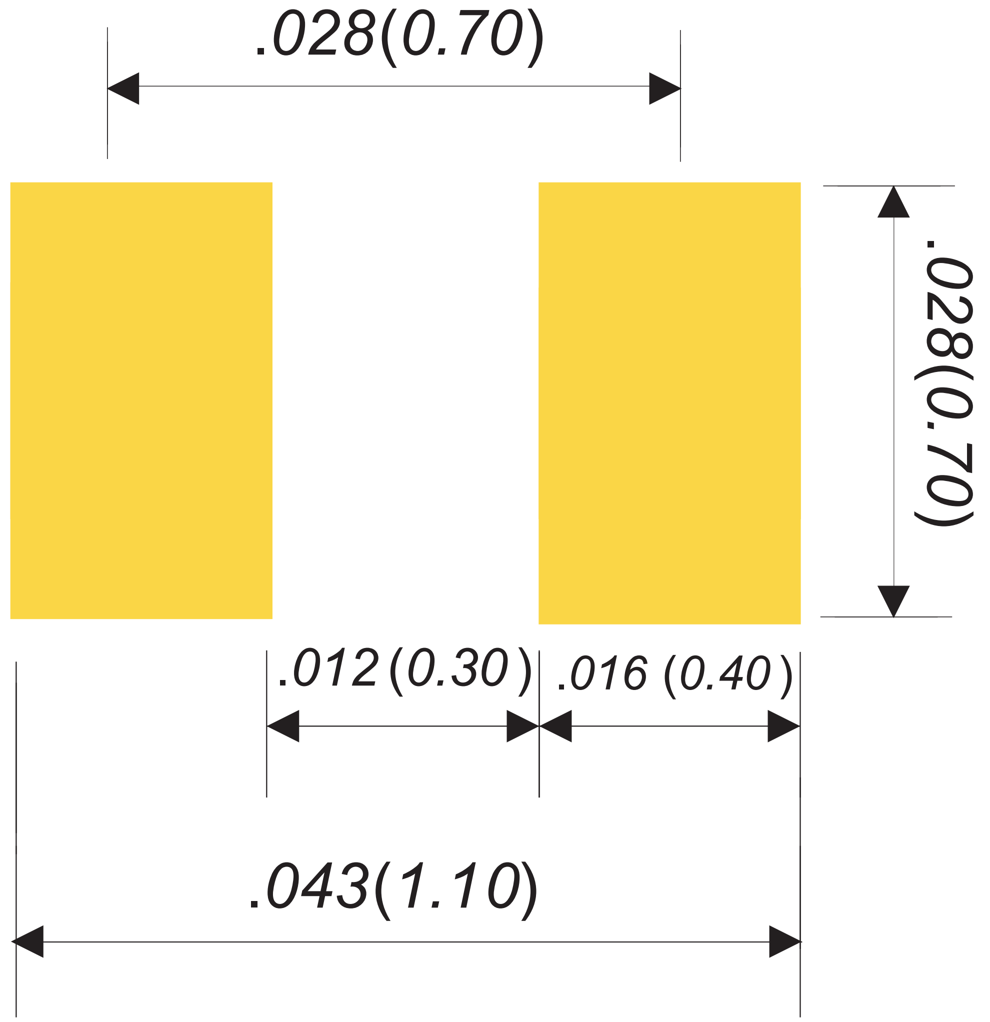




Dimensions in inches and (millimeters)

Rev.B

Suggested Soldering Pad Layout	SOD-882



Dimensions in inches and (millimeters)

RevA

Ordering Information:

Device PN	Packing
1SS400BS -T(1) H(2)-WS (3)	Tape&Reel: 10 Kpcs/Reel

Note: (1) Packing code, Tape & Reel Packing

(2) Halogen free product for packing code suffix “H”

(3) WS : Willas brand abbreviation, Label Type does not display

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