

PRIMARY CHARACTERISTICS

V_R	40V
I_O	200mA
$V_F@I_F=10mA$	0.39V
$T_{J,Max}$	125°C

FEATURES

- Low current rectification and high speed switching
- Extremely small surface mounting type.
- High reliability
- Low I_R
- Silicon epitaxial planar
- Moisture Sensitivity Level 1

MAXIMUM RATINGS ($T_A = 25^\circ C$)

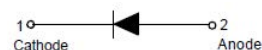
Parameter	Symbol	Limits	Unit
Reverse voltage(repetitive peak)	V_R	40	V
DC reverse voltage	V_R	40	V
Average rectified forward current	I_O	200	mA
Peak forward surge current	I_{FSM}	1	A
Junction temperature	T_J	125	°C
Storage temperature	T_{stg}	-40~+125	°C

ELECTRICAL CHARACTERISTICS($T_A = 25^\circ C$)

Parameter	Symbol	Min.	Max.	Unit	Conditions
Forward voltage	V_F	-	0.39	V	$I_F=10mA$
Forward voltage	V_F	-	0.55	V	$I_F=100mA$
Reverse current	I_R	-	1	μA	$V_R=10V$
Reverse current	I_R	-	10	μA	$V_R=40V$

SOD-882 PACKAGE

Marking : D1



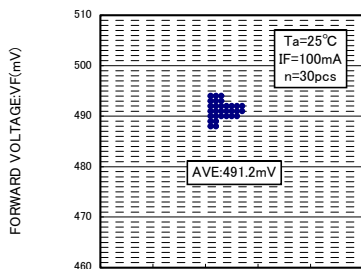
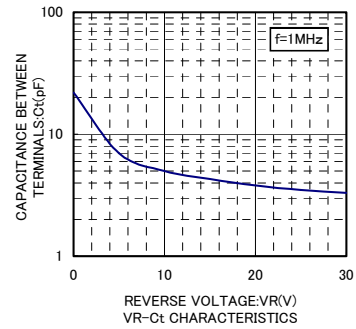
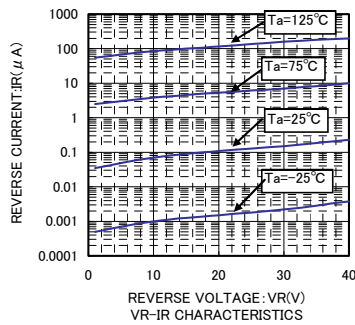
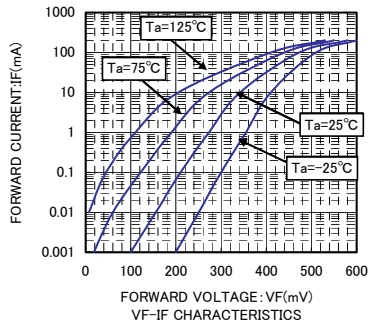
M = Date Code

MECHANICAL DATA

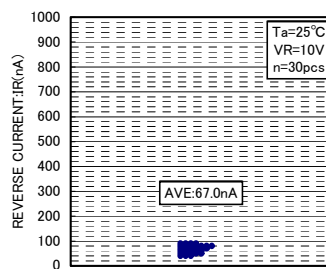
- Case : Molded plastic,SOD-882
- Polarity : Shown above
- Terminals :Plated terminals, solderable per MIL-STD-750,Method 2026
- Epoxy : UL94-V0 rated flame retardant



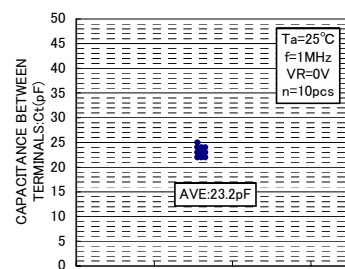
●Electrical characteristic curves



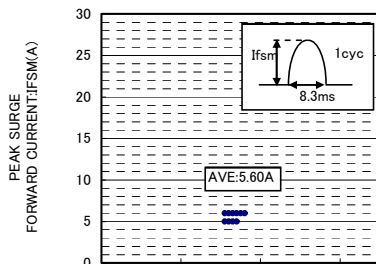
VF DISPERSION MAP



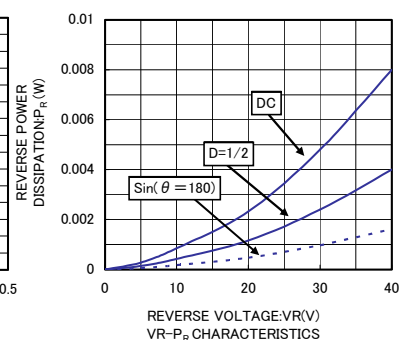
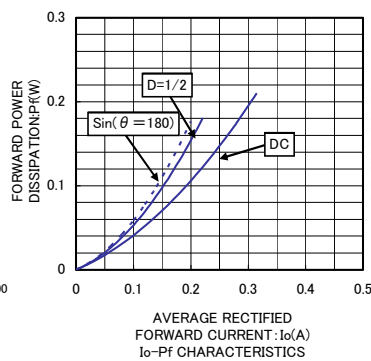
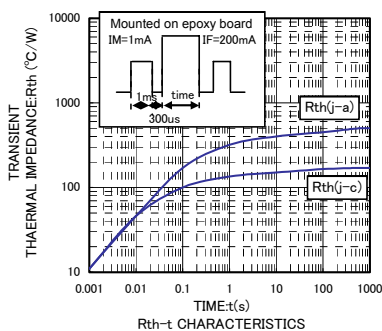
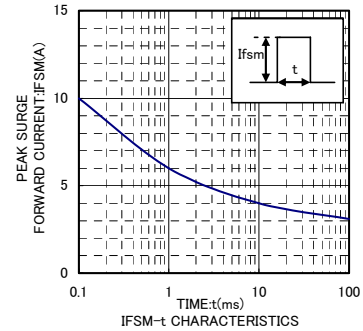
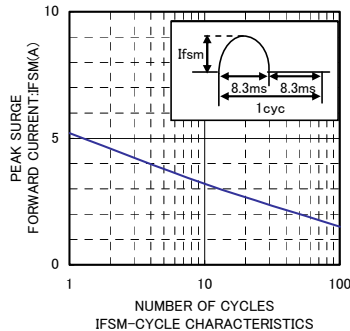
IR DISPERSION MAP

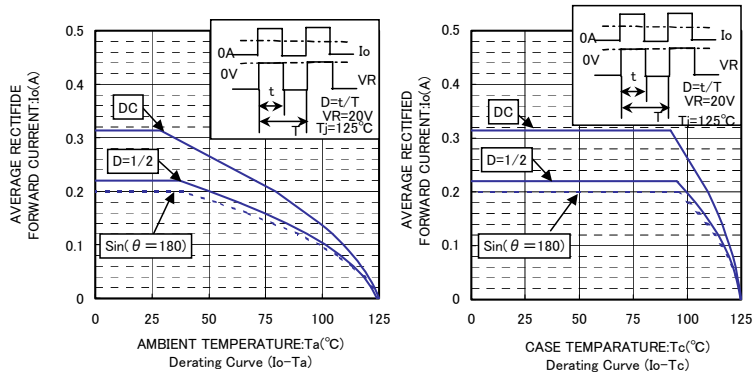


Ct DISPERSION MAP



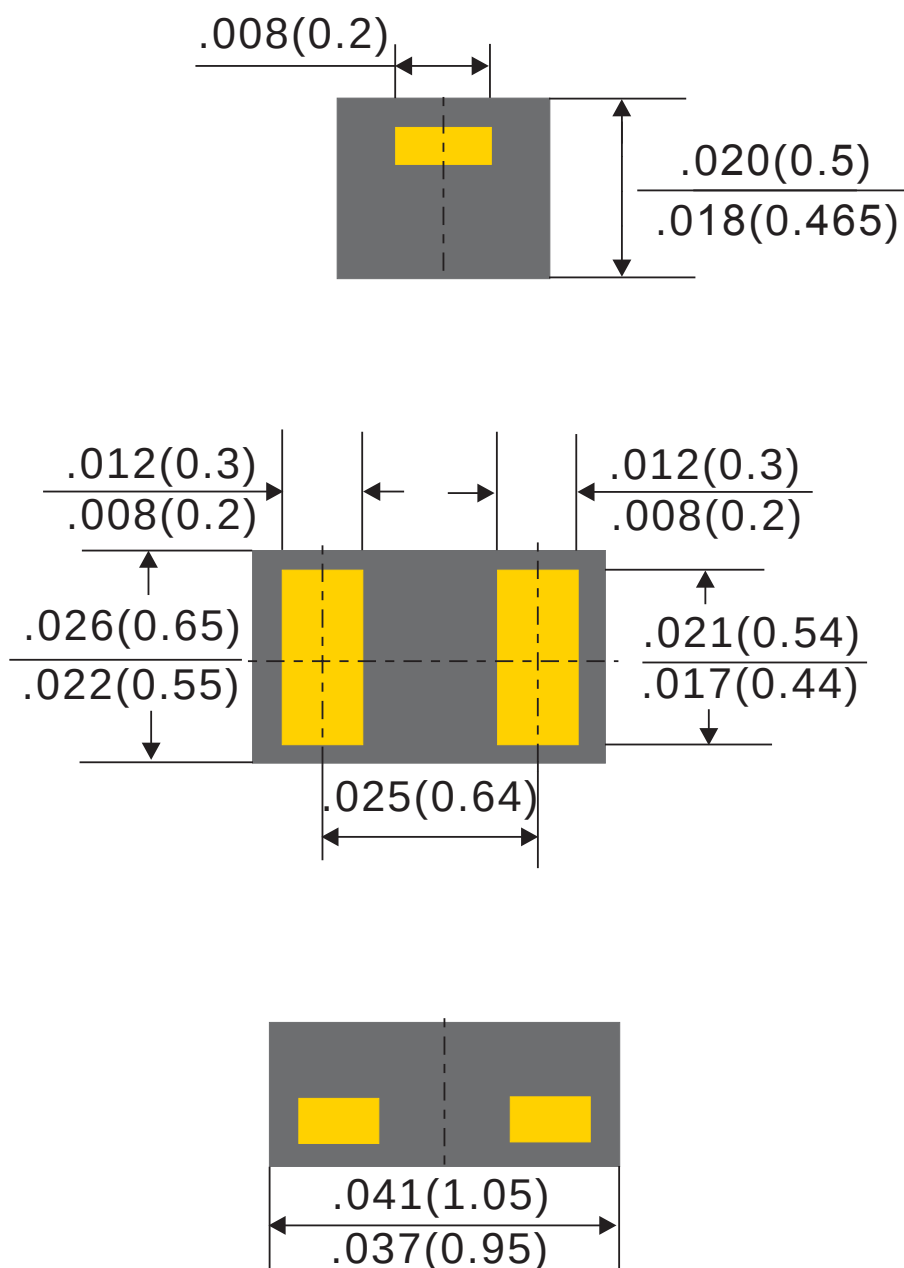
IFSM DISPERSION MAP





Outline Drawing

SOD-882



Dimensions in inches and (millimeters)

Rev.B

Ordering Information:

Device PN	Packing
{ / {рнл . {плфр I ^(M) -WS	Tape&Reel: мл Kpcs/Reel

Note: (1) Halogen free product for packing code suffix "H"

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