

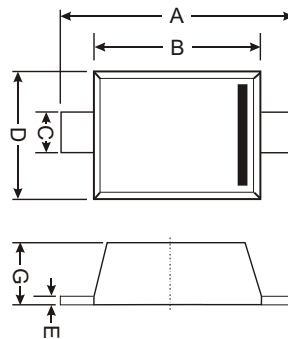
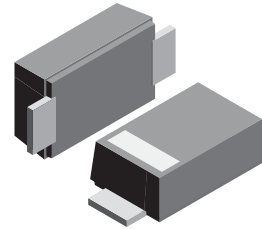
VOLTAGE RANGE: 40V
CURRENT: 200mA

Features

- Rectifying small power
- Ultra small power mold type.
- Low R
- High reliability
- Silicon epitaxial planer

Mechanical Data

- Case: SOD-523, Plastic
- Case material - UL Flammability Rating
- Classification 94V-0
- Marking Code: LM
- Weight: 0.002 grams (approx.)



SOD-523		
Dim	Min	Max
A	1.50	1.70
B	1.10	1.30
C	0.25	0.35
D	0.70	0.90
E	0.10	0.20
G	0.50	0.70
All Dimensions in mm		

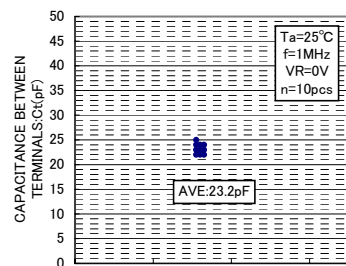
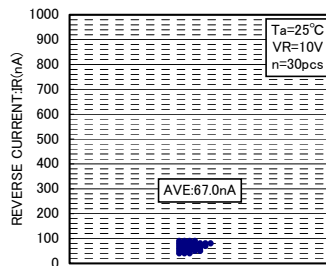
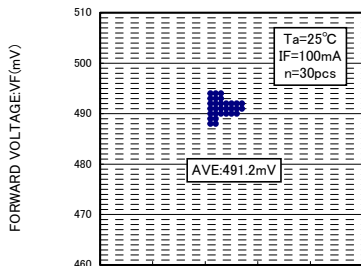
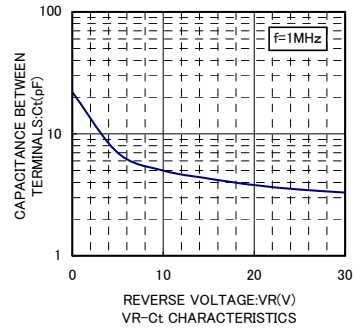
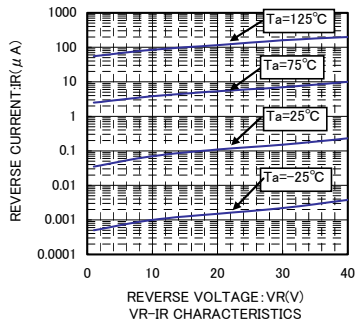
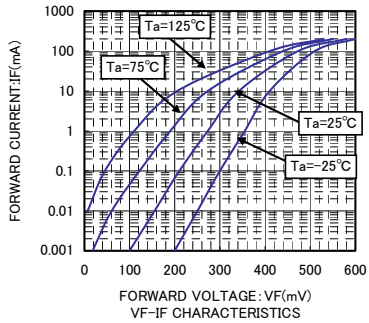
Maximum Ratings @ T_A = 25°C unless otherwise specified

Absolute maximum ratings (T_a=25°C)

Parameter	Symbol	Limits	Unit
Reverse voltage (repetitive peak)	V _{RM}	40	V
Reverse voltage (DC)	V _R	40	V
Average rectified forward current	I _o	200	mA
Forward current surge peak	I _{FSM}	1	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40 to +125	°C

Electrical characteristic (T_a=25°C)

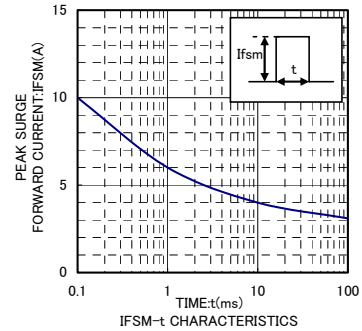
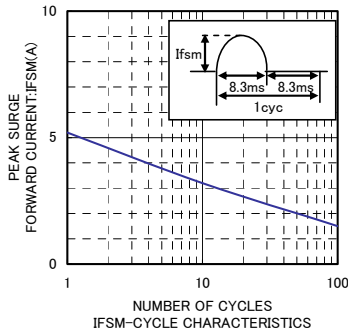
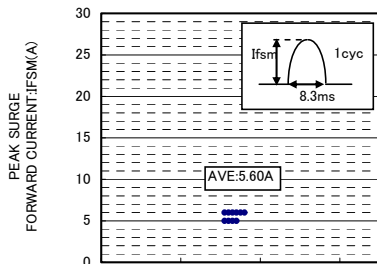
Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F	-	-	0.39	V	I _F =10mA
	V _F	-	-	0.55	V	I _F =100mA
Reverse current	I _R	-	-	1	μA	V _R =10V
	I _R	-	-	10	μA	V _R =40V



VF DISPERSION MAP

IR DISPERSION MAP

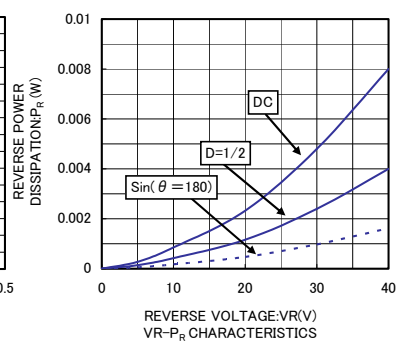
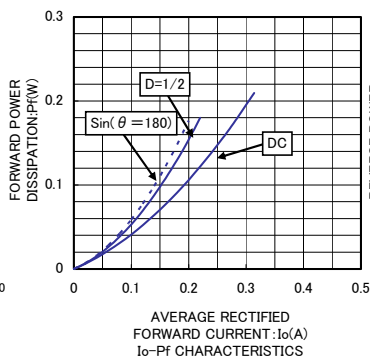
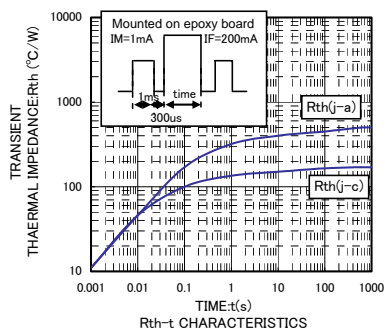
Ct DISPERSION MAP



IFSM DISPERSION MAP

IFSM-CYCLE CHARACTERISTICS

IFSM-t CHARACTERISTICS



Rth-t CHARACTERISTICS

Io-Pf CHARACTERISTICS

VR-P_r CHARACTERISTICS

