

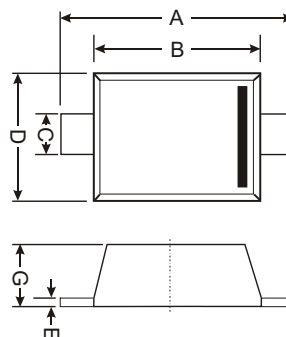
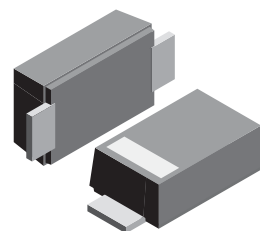
VOLTAGE RANGE: 30V
CURRENT: 200mA

Features

- Extremely small surface mounting type.
- Low IR. (IR=0.1mA Typ.)
- High reliability.
- Low current rectification and high speed switching
- Silicon epitaxial planar

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

Parameter	Symbol	Limits	Unit
DC reverse voltage	V _R	30	V
Mean rectifying 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°C)

Parameter	Symbol	Min.	Typ	Max.	Unit	Conditions
Forward voltage	V _F	—	—	0.60	V	I _F =200mA
Reverse current	I _R	—	—	1.0	μA	V _R =10V

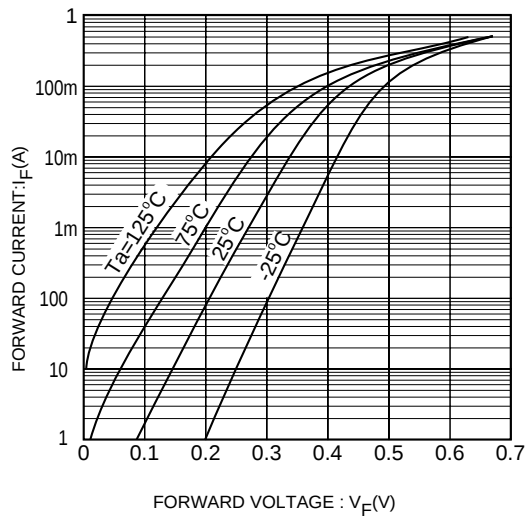


Fig. 1 Forward characteristics

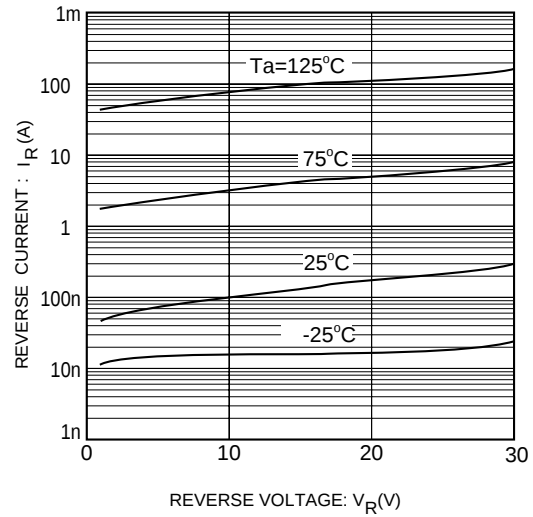


Fig. 2 Reverse characteristics

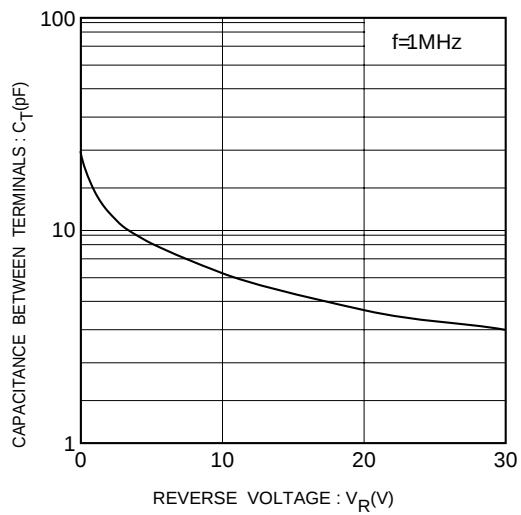


Fig. 3 Capacitance between terminals characteristics

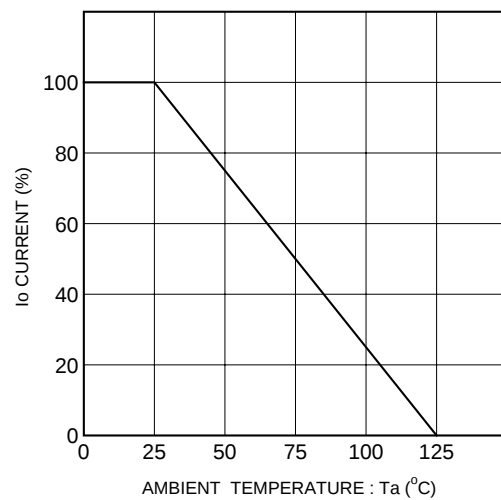


Fig 4. Derating curve
(mounting on glass epoxy PCBs)