



Schottky Diodes

FEATURES

- Low current rectifier Schottky diode
- Low voltage, low inductance
- For power supply

SOD-323



MAKING: D

Maximum Ratings and Electrical Characteristics, Single Diode @T_A=25°C

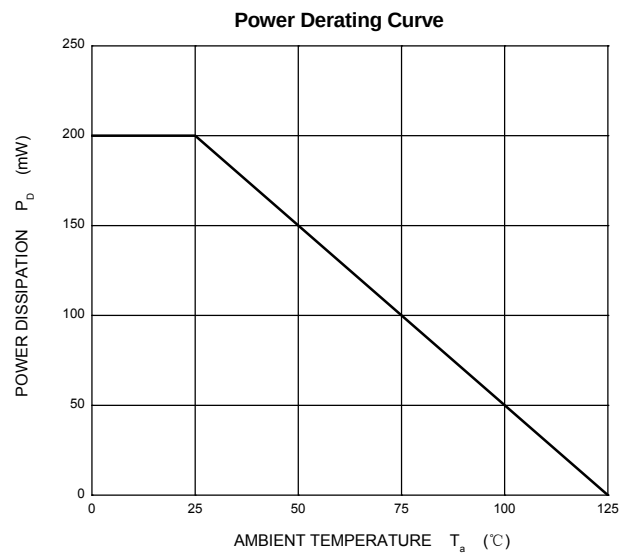
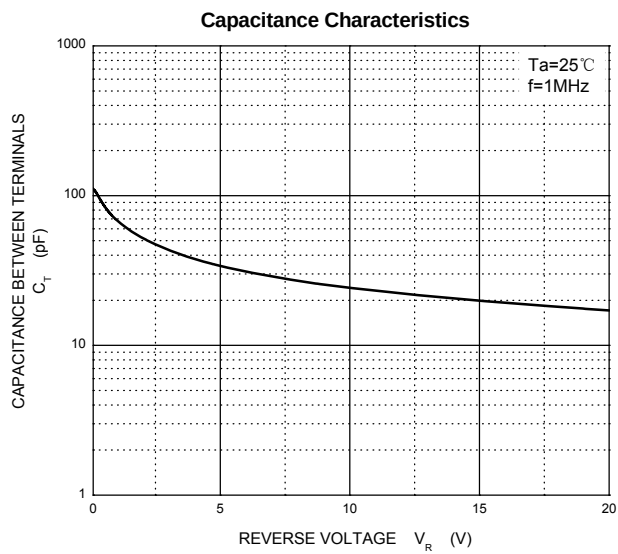
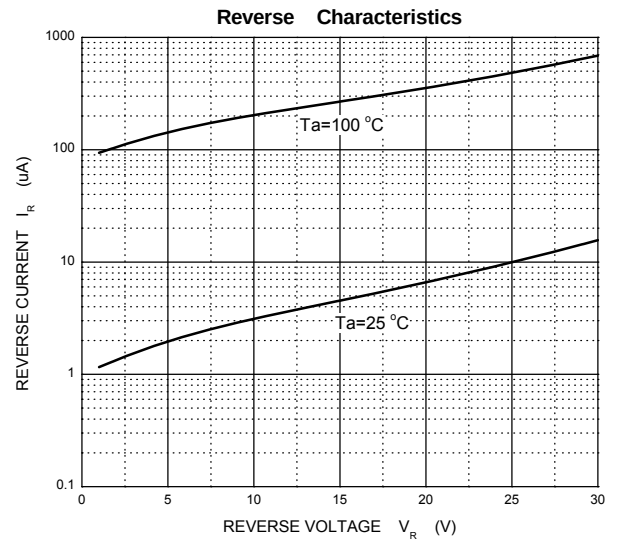
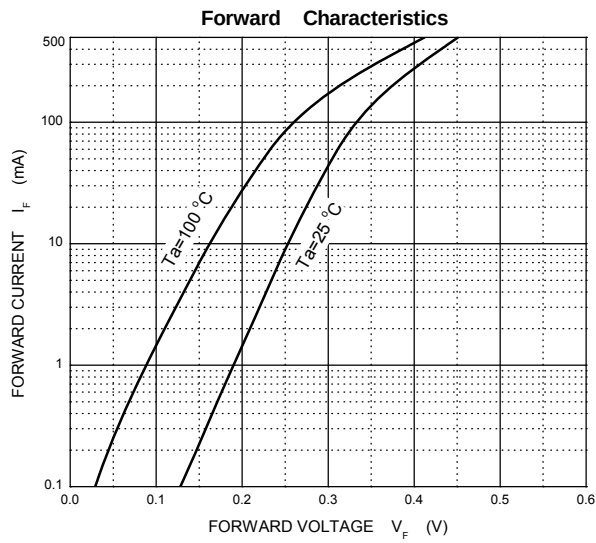
Parameter	Symbol	Limits	Unit
Peak reverse voltage	V _{RM}	30	V
DC reverse voltage	V _R	20	V
Mean rectifying current	I _O	0.5	A
Peak forward surge current	I _{FSM}	2	A
Junction temperature	T _j	125	°C
Storage temperature	T _{stg}	-40~+125	°C

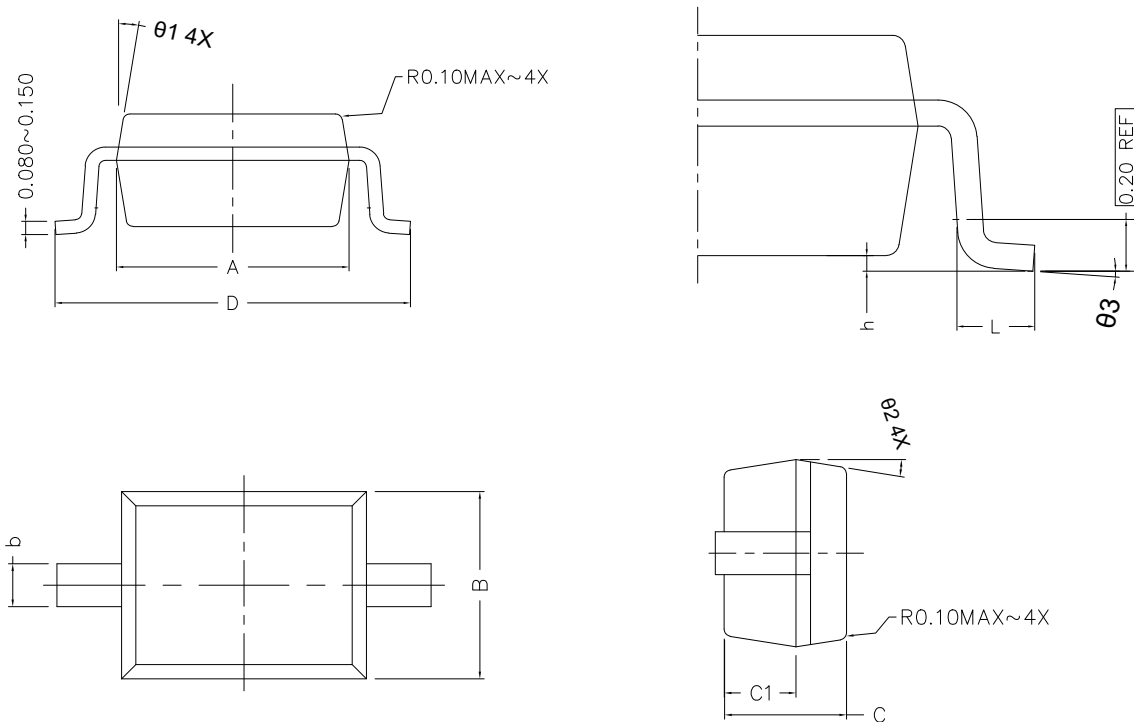
Electrical Ratings @T_A=25°C

Parameter	Symbol	Min.	Typ.	Max.	Unit	Conditions
Forward voltage	V _F			0.36 0.47	V	I _F =100mA I _F =500mA
Reverse current	I _R			100	μA	V _R =20V



Typical Characteristic



**SOD-323 Package Outline Dimensions (Units: mm)**

COMMON DIMENSIONS (UNITS OF MEASURE IS mm)			
	MIN	NORMAL	MAX
A	1.600	1.700	1.800
B	1.200	1.300	1.400
C	0.750	0.850	0.950
C1	0.450	0.500	0.550
D	2.450	2.600	2.750
L	0.200	0.300	0.400
b	0.200	0.300	0.400
h	0.010	0.050	0.100
$\theta 1$	9° TYPE		
$\theta 2$	9° TYPE		
$\theta 3$	0° ~ 8°		