

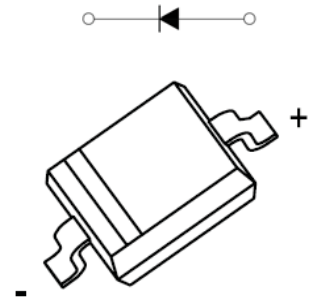


## 1SS357 Schottky Barrier Diode

### FEATURES

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

Marking : S31



SOD-323

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

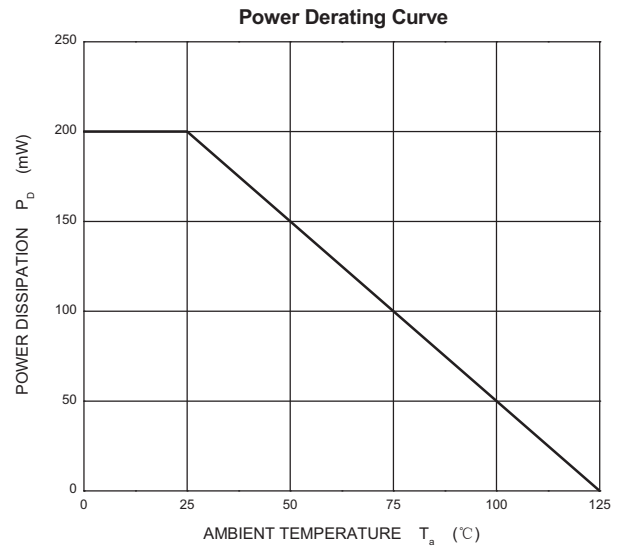
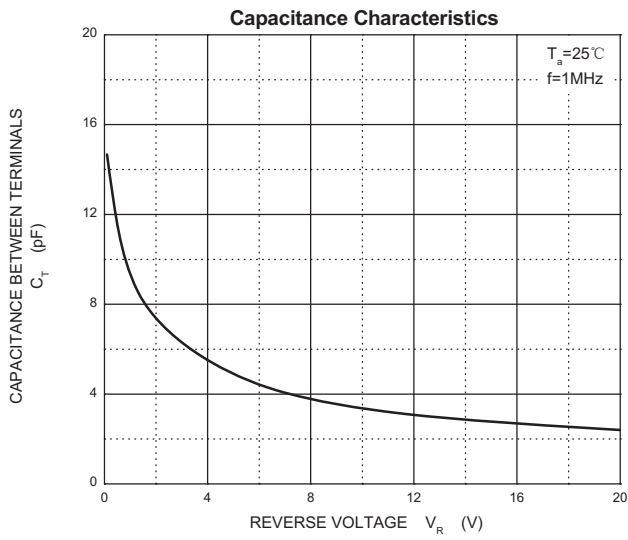
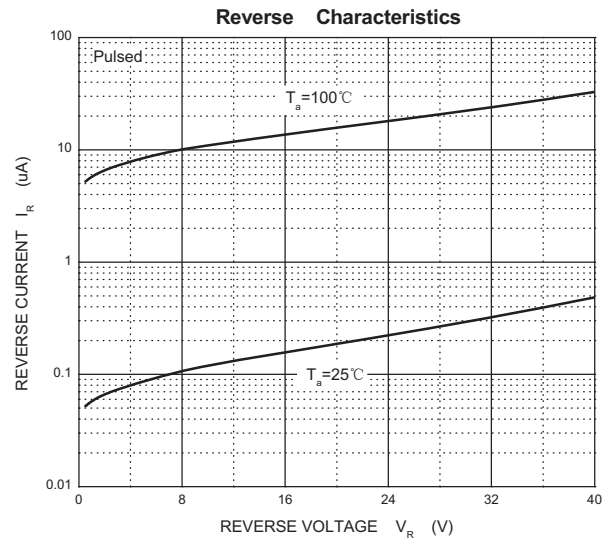
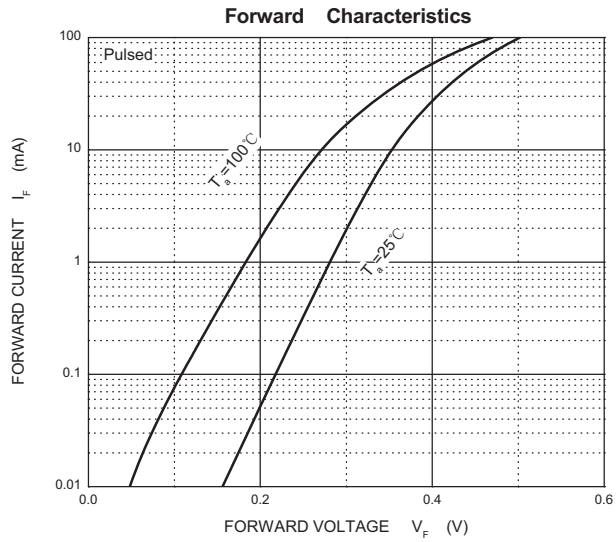
Parameter	Symbol	Limit	Unit
Peak reverse voltage	$V_{RM}$	45	V
DC reverse voltage	$V_R$	40	V
Mean rectifying current	$I_O$	0.1	A
Non-repetitive Peak Forward Surge Current@t=8.3ms	$I_{FSM}$	1	A
Power dissipation	$P_D$	200	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	500	°C/W
Junction temperature	$T_j$	125	°C
Storage temperature	$T_{stg}$	-55~+150	°C

### Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	$V_F$			0.35	V	$I_F=1mA$
Forward voltage	$V_F$			0.45	V	$I_F=10mA$
Forward voltage	$V_F$			0.60	V	$I_F=100mA$
Reverse current	$I_R$			5	μA	$V_R=40V$
Capacitance between terminals	$C_T$			25	pF	$V_R=0V, f=1MHz$



## Typical Characteristics





## PACKAGE OUTLINE

Plastic surface mounted package; 2 leads

SOD-323

