



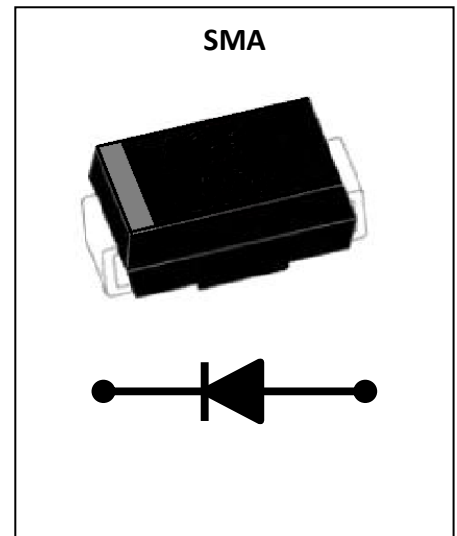
SS310L Schottky Barrier Diode

Feature

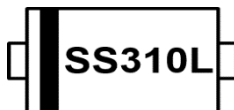
- For surface mounted application
- High current capability
- Low VF
- High surge current capability

Application

- High frequency inverters
- Free wheeling
- Polarity protection applications



MARKING:



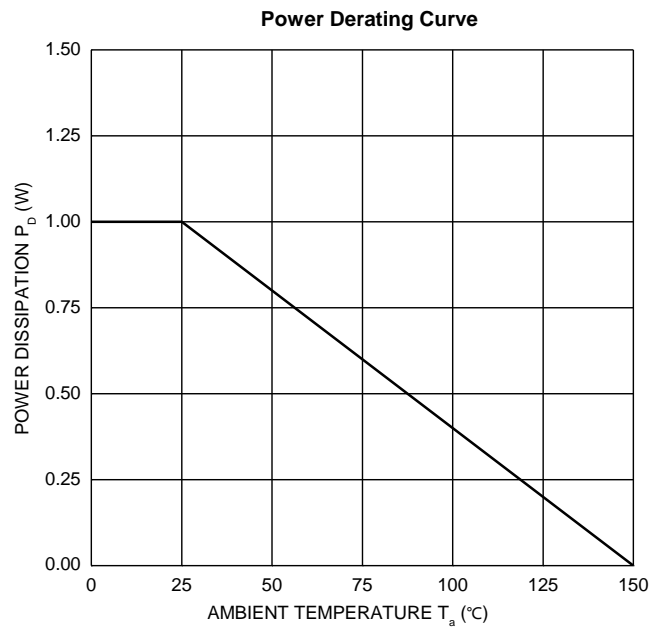
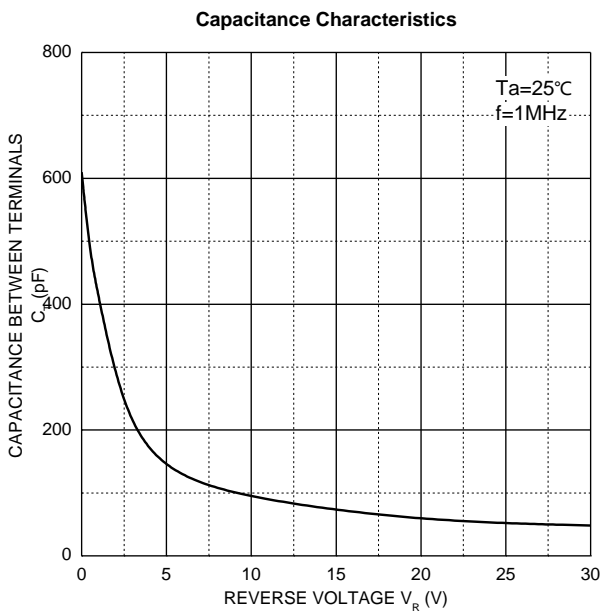
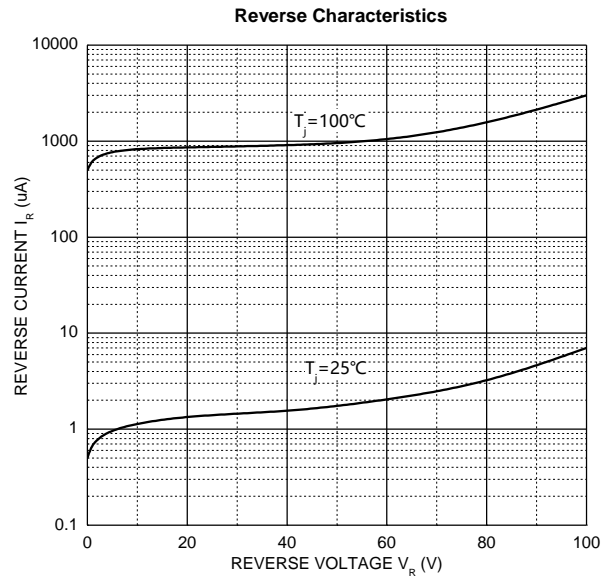
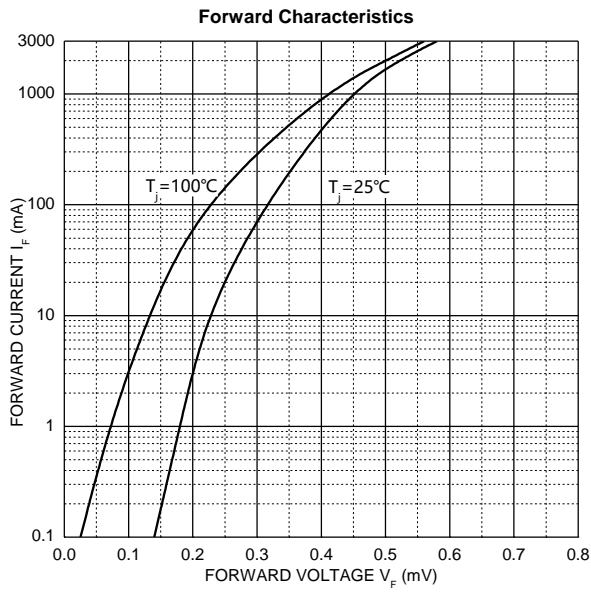
ABSOLUTE MAXIMUM RATINGS ($T_a=25^\circ\text{C}$ unless otherwise noted)

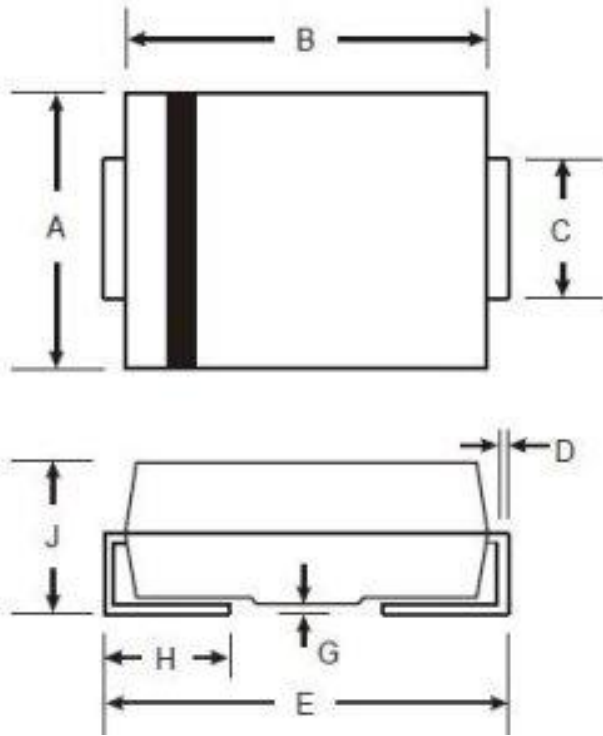
Parameter	Symbol	Value	Unit
DC reverse voltage	V_R	100	V
Mean rectifying current	I_o	3	A
Non-repetitive Peak Forward Surge Current @ $t=8.3\text{ms}$	I_{FSM}	80	A
Power Dissipation	P_D	1	W
Thermal Resistance from Junction to Ambient	$R_{\theta JA}$	120	$^\circ\text{C}/\text{W}$
Junction Temperature	T_J	150	$^\circ\text{C}$
Storage Temperature	T_{STG}	-55 ~ +150	$^\circ\text{C}$

ELECTRICAL CHARACTERISTICS ($T_a=25^\circ\text{C}$ unless otherwise noted)

Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Reverse voltage	V_{BR}	$I_R = 250\mu\text{A}$	100			V
Forward voltage	V_F	$I_F = 1\text{A}$		0.46	0.50	V
		$I_F = 2\text{A}$		0.53	0.56	V
		$I_F = 3\text{A}$		0.58	0.64	V
Reverse current	I_R	$V_R = 100\text{V}$		10	50	μA
Diode capacitance	C_D	$V_R = 4\text{V}, f = 1\text{MHz}$		170		pF

Typical Characteristics



SMA Package Outline Dimensions


SMA		
Dim	Min	Max
A	2.29	2.92
B	4.00	4.60
C	1.27	1.63
D	0.15	0.31
E	4.80	5.59
G	0.05	0.20
H	0.76	1.52
J	2.01	2.30

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)