



RB495D Schottky Barrier Diode

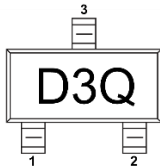
Feature

- Low Forward Voltage Drop
- Very Small SMD Package

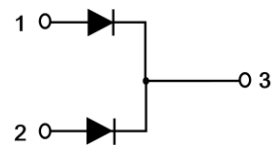
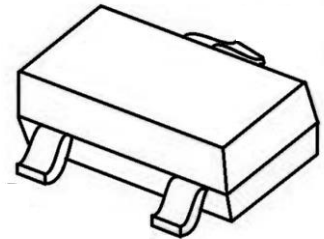
Application

- Low Voltage Rectification
- High Efficiency DC/DC Conversion
- Switch Mode Power Supply
- Inverse Polarity Protection
- Low Power Consumption Applications

MARKING:



SOT-23



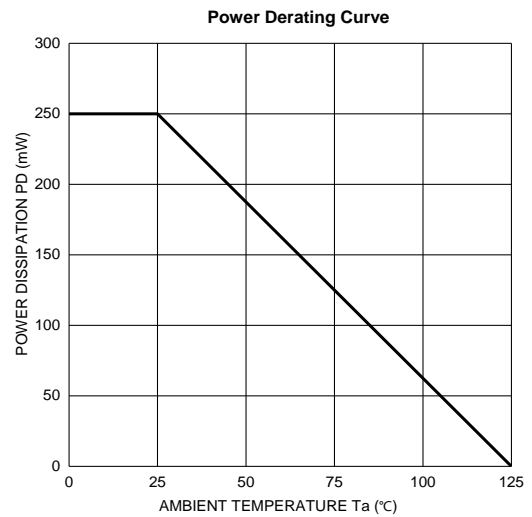
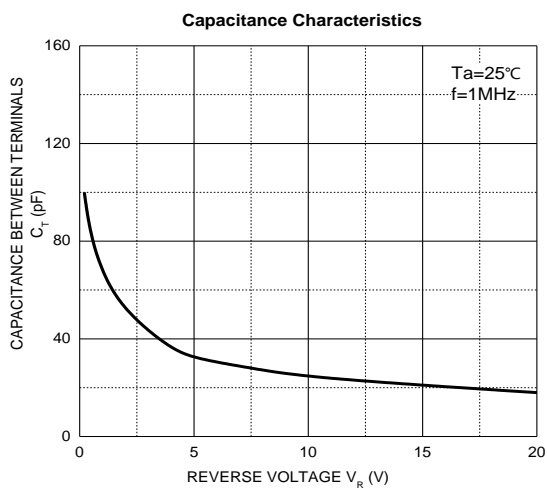
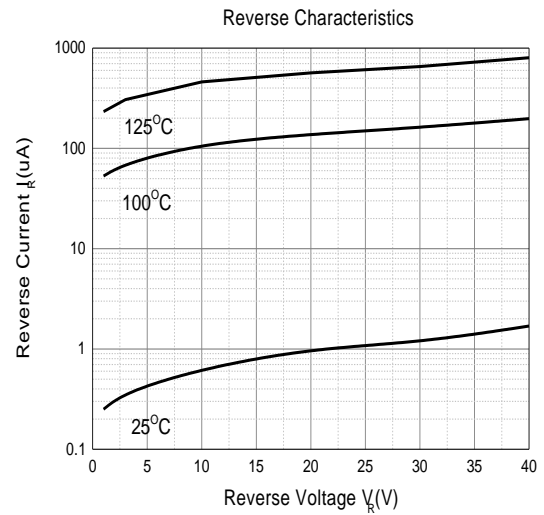
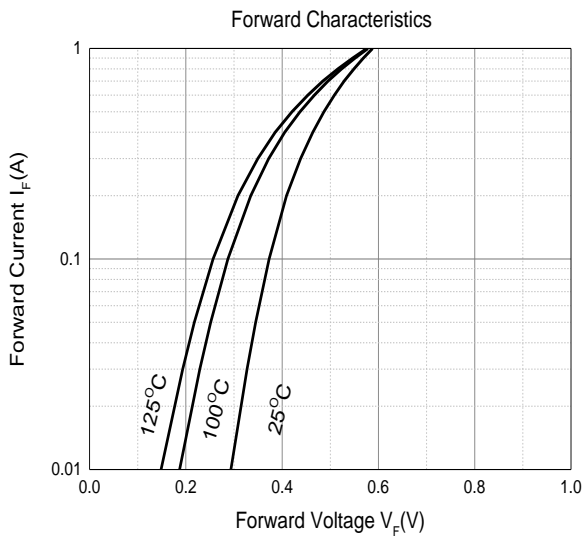
ABSOLUTE MAXIMUM RATINGS (T_a=25°C unless otherwise noted)

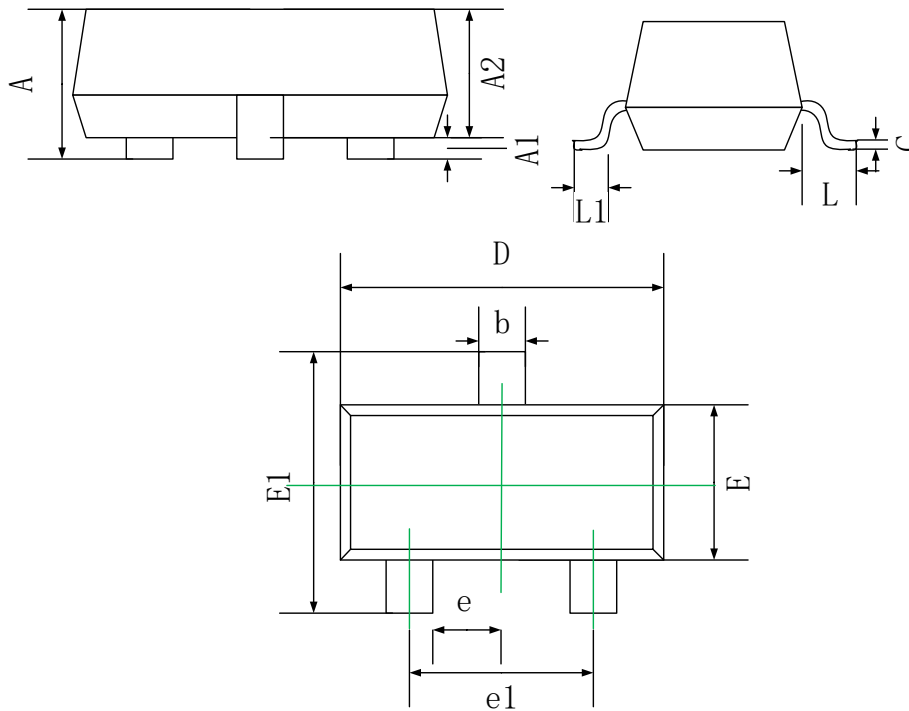
Parameter	Symbol	Value	Unit
DC reverse voltage	V _R	25	V
Mean rectifying current	I _O	0.4	A
Non-repetitive Peak Forward Surge Current @ t=8.3ms	I _{FSM}	2	A
Power Dissipation	P _D	0.25	W
Thermal Resistance from Junction to Ambient	R _{θJA}	400	°C/W
Junction Temperature	T _J	125	°C
Storage Temperature	T _{STG}	-55 ~ +150	°C

ELECTRICAL CHARACTERISTICS (T_a=25°C unless otherwise noted)

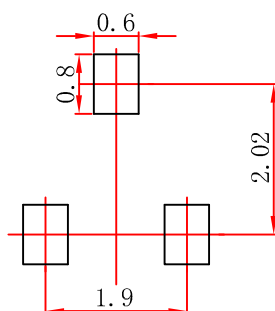
Parameter	Symbol	Test Condition	Min	Type	Max	Unit
Reverse voltage	V _{BR}	I _R = 100μA	25			V
Reverse current	I _R	V _R = 25V		1	70	μA
Forward voltage	V _F	I _F = 10mA		0.25	0.3	V
		I _F = 200mA		0.40	0.5	V
Total capacitance	C _{tot}	V _R =10V, f=1MHz		30		pF

Typical Characteristics



SOT-23 Package Outline Dimensions


Symbol	Dimensions In Millimeters	
	Min.	Max.
A	0.90	1.15
A1	0.00	0.10
A2	0.90	1.05
b	0.30	0.50
c	0.08	0.15
D	2.80	3.00
E	1.20	1.40
E1	2.25	2.55
e	0.95 REF.	
e1	1.80	2.00
L	0.55 REF.	
L1	0.30	0.50

SOT-23 Package Outline Dimensions


Note:
 1. Controlling dimension: in millimeters.
 2. General tolerance: $\pm 0.05\text{mm}$.
 3. The pad layout is for reference purposes only.

单击下面可查看定价，库存，交付和生命周期等信息

[>>GP\(格瑞宝\)](#)