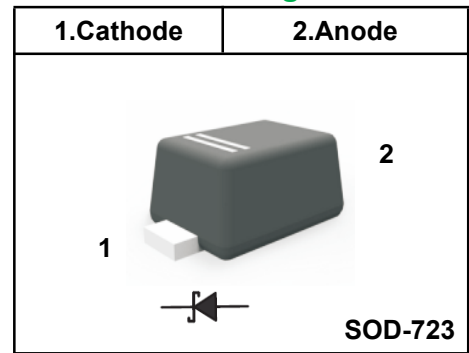


Schottky barrier Diode

FEATURES

- ◆ Small surface mounting type
- ◆ High reliability

Pinning



Marking Code

RB521G-30	F
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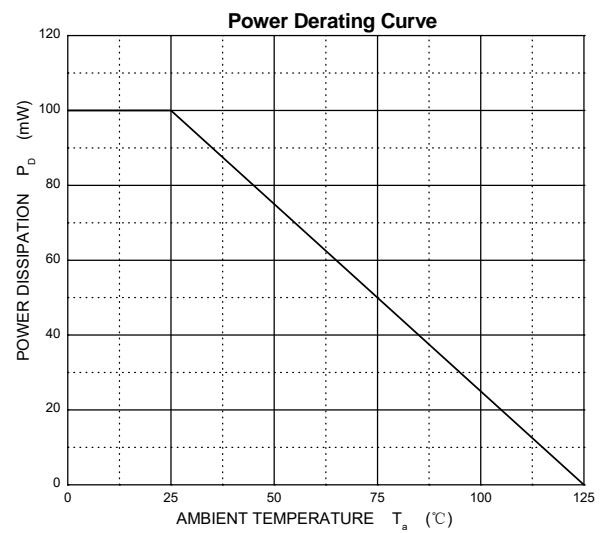
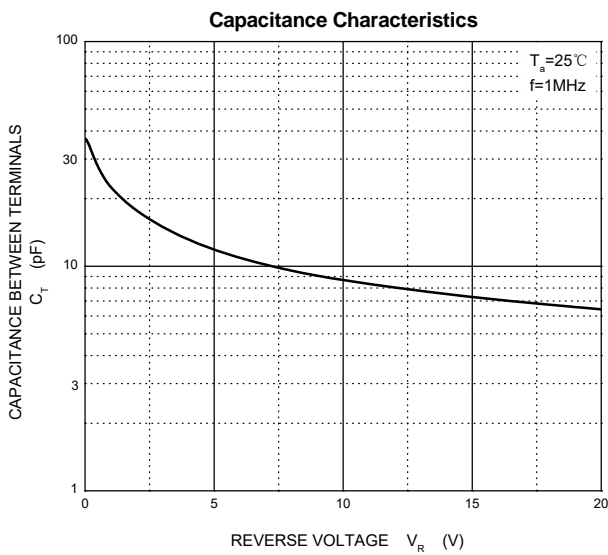
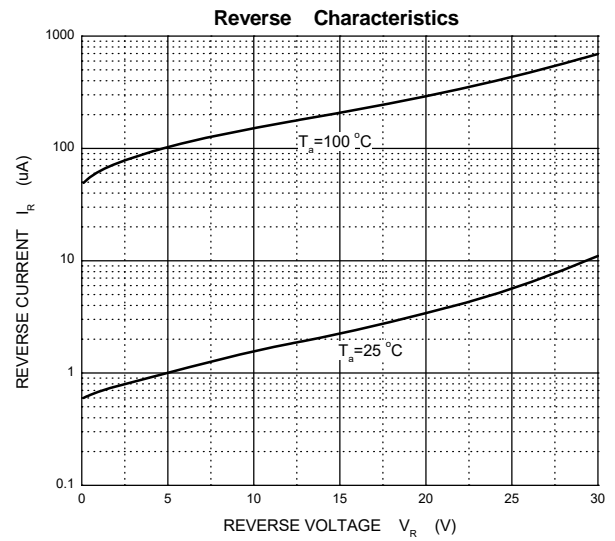
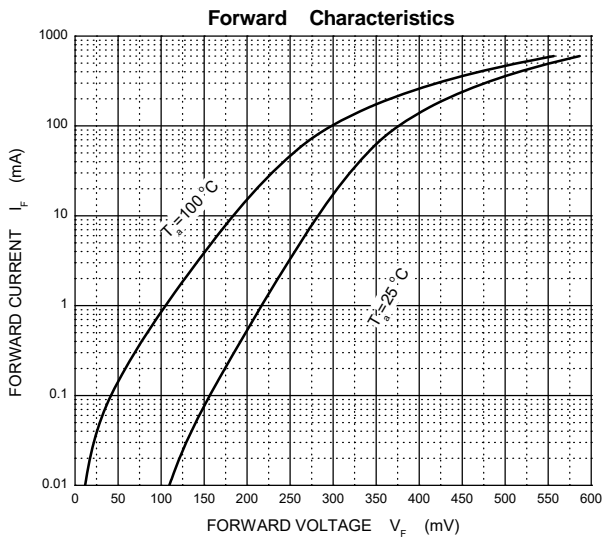
Maximum Ratings and Electrical Characteristics, Single Diode @Ta=25°C

Parameter	Symbol	Limit	Unit
DC reverse voltage	V_R	30	V
Mean rectifying current	I_o	200	mA
Non-repetitive Peak forward surge current @ t=8.3ms	I_{FSM}	1	A
Power dissipation	P_D	100	mW
Thermal Resistance Junction to Ambient	$R_{\theta JA}$	1000	°C/W
Operating Junction Temperature Range	T_j	-40 ~ +125	°C
Storage Temperature Range	T_{stg}	-55 ~ +150	°C

Electrical Ratings @Ta=25°C

Parameter	Symbol	Min	Typ	Max	Unit	Conditions
Forward voltage	V_{F1}			0.35	V	$I_F=10mA$
	V_{F2}			0.5	V	$I_F=200mA$
Reverse current	I_R			10	μA	$V_R=10V$

TYPICAL CHARACTERISTICS



Ordering information

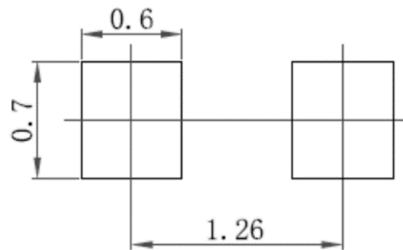
Package	Packing Description	Packing Quantity
SOD-723	Tape/Reel, 7" reel	8000PCS/Reel 320000PCS/Carton

Package Dimensions

SOD-723

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	1.30	1.50	51	59
B	0.90	1.10	35	43
C	0.55	0.65	22	26
D	0.01	0.07	1	3
E	0.25	0.35	10	14
F	0.08	0.15	3	6
G	0.52	0.58	20	23
H	0.53	0.65	21	26

The recommended mounting pad size



Disclaimer

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