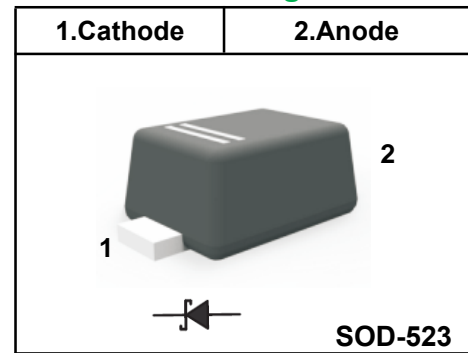


■ Schottky Barrier Diode

Features

- Low Forward Voltage Drop
- Flat Lead SOD-523 Small Outline Plastic Package
- Extremely Small SOD-523 Package
- Surface Device Type Mounting
- RoHS Compliant
- Green EMC
- Matte Tin(Sn) Lead Finish

Pinning



Marking Code

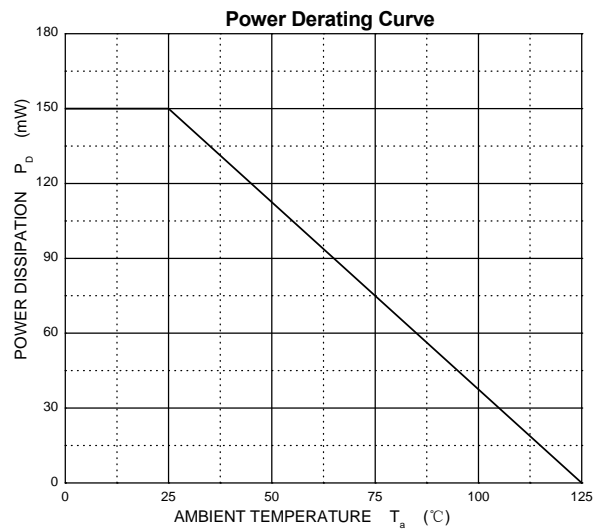
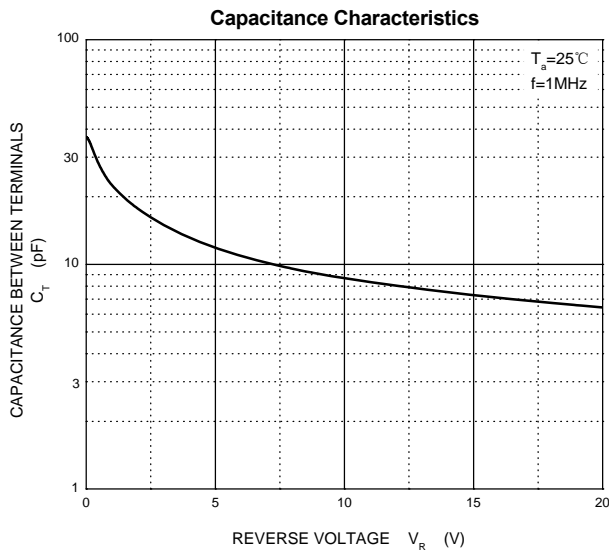
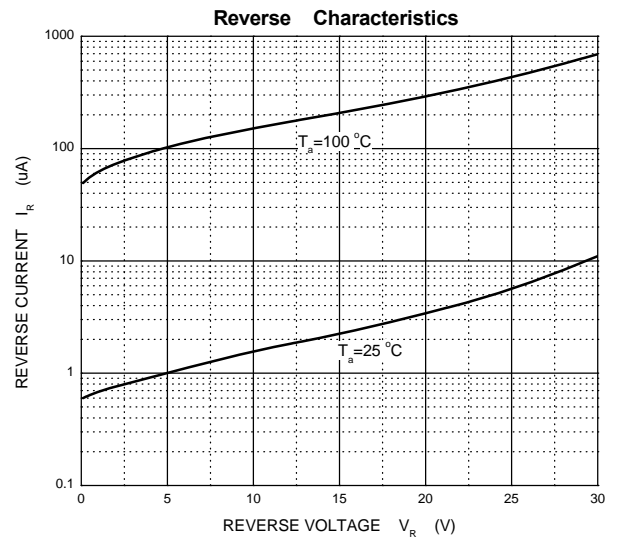
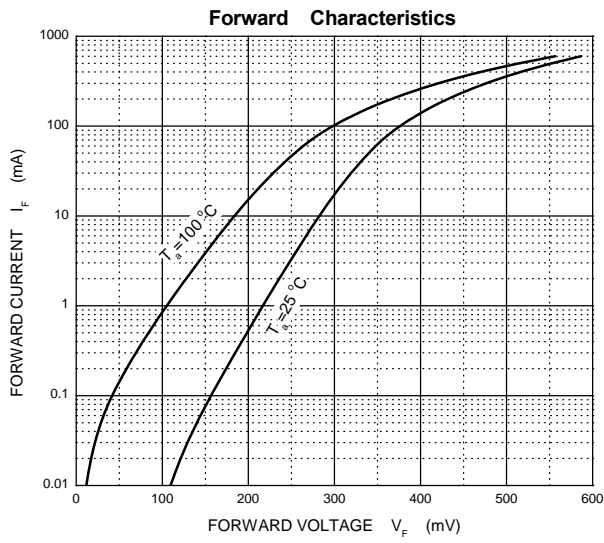
RB521S-30	C
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ABSOLUTE MAXIMUM RATING TA = 25°C

Parameter	Symbol	Rating	Unit
Peak Reverse Voltage	V _{RM}	30	V
Average Rectified Output Current	I _{F(AV)}	200	mA
Peak Forward Surge Current (At 8.3ms single half sine-wave)	I _{FSM}	1	A
Power Dissipation	P _D	200	mW
Junction Temperature	T _J	125	°C
Storage Temperature Range	T _{stg}	-55 to +125	

Electrical Characteristics TA = 25°C

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse breakdown voltage	BV	I _R = 500uA	30			V
Forward voltage	V _F	I _F =200mA			0.5	
Reverse voltage leakage current	I _R	V _R =10 V			30	uA



Ordering information

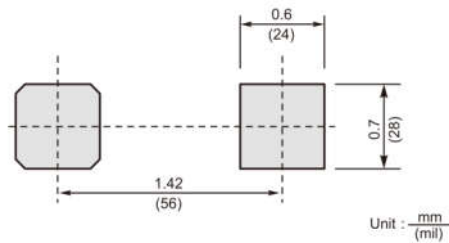
Package	Packing Description	Packing Quantity
SOD-523	Tape/Reel, 7"reel	3000PCS/Reel 120000PCS/Carton

Package Dimensions

SOD-523

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.51	0.77	20	30
e	0.25	0.35	10	14
C	0.08	0.15	3	6
D	1.10	1.30	43	51
E	0.75	0.99	30	39
HE	1.50	1.70	59	67
N	0.35ref		14ref	
L	0.2ref		8ref	
P	R0.1 ALL ROUND		R4.0 ALL ROUND	
∠	10°			

The recommended mounting pad size



Disclaimer

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