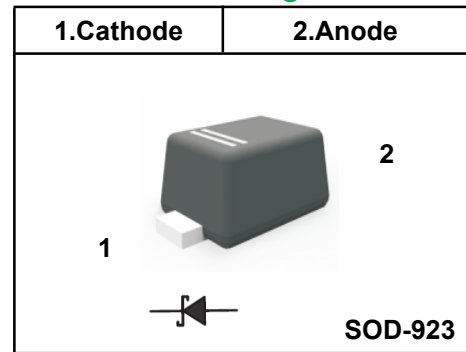


■ Schottky Barrier Diode

Features

- We declare that the material of product compliance with RoHS requirements and Halogen Free.
- S- prefix for automotive and other applications requiring unique site and control change requirements; AEC-Q101 qualified and PPAP capable.
- Low current rectification
- Low IR
- High reliability.
- Silicon epitaxial planar

Pinning



Marking Code

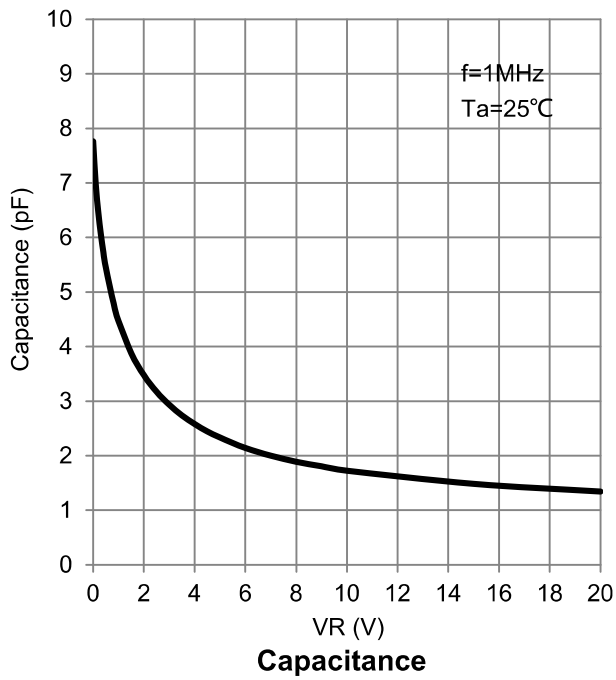
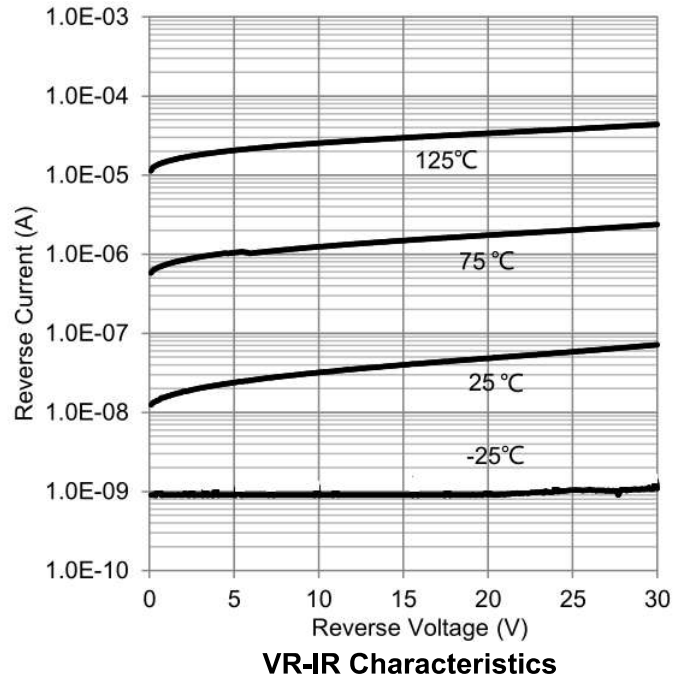
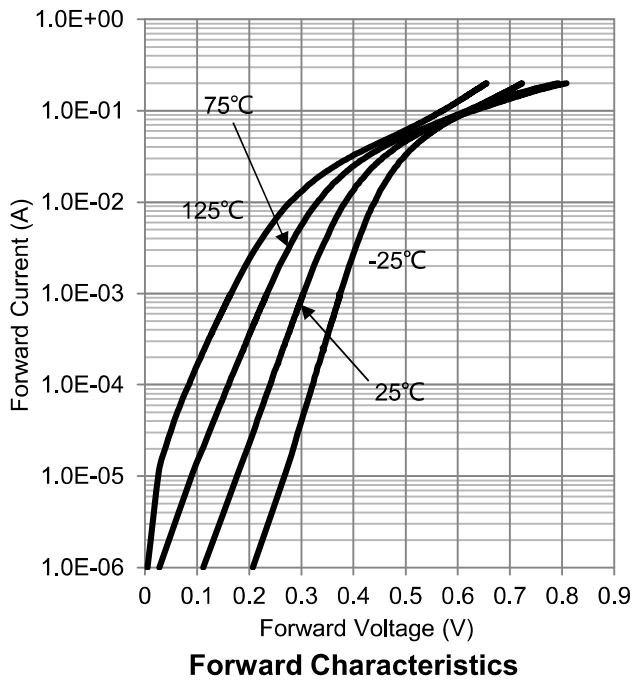
RB520CS-30	E
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Absolute Maximum Ratings@Ta=25

Parameter	Symbol	Limits	Unit
DC reverse voltage	VR	30	V
Average rectified forward current	IO	100	mA
Forward current surge peak(60Hz · 1cyc)	IFSM	500	mA
Junction temperature	Tj	125	°C
Storage temperature	Tstg	-40~+125	°C

Electrical Characteristics@Ta=25

Characteristic	Symbol	Min.	Typ.	Max.	Unit
Forward voltage (IF =10mA)	VF	-	-	0.45	V
(IF =20mA)		-	-	0.5	
Reverse current (VR =10V)	IR	-	-	0.5	μA



Ordering information

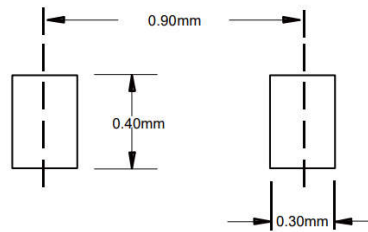
Package	Packing Description	Packing Quantity
SOD-923	Tape/Reel,7"reel	8000PCS/Reel 320000PCS/Carton

Package Dimensions

SOD-923

Dim.	Millimeter(mm)		mil	
	Min.	Max.	Min.	Max.
A	0.95	1.05	37	41
B	0.75	0.85	30	33
C	0.55	0.65	22	26
D	0.36	0.43	14	17
E	0.15	0.25	6	10
F	0.07	0.17	3	7

The recommended mounting pad size



Disclaimer

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