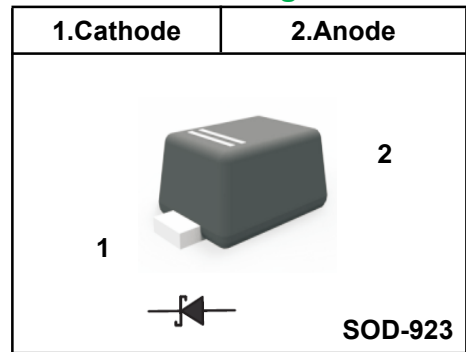


Schottky Barrier Diode

Pinning



Marking Code

1N5819CS	F
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Features

- ◆ Low current rectification
- ◆ Low VF
- ◆ High reliability
- ◆ Silicon epitaxial planar

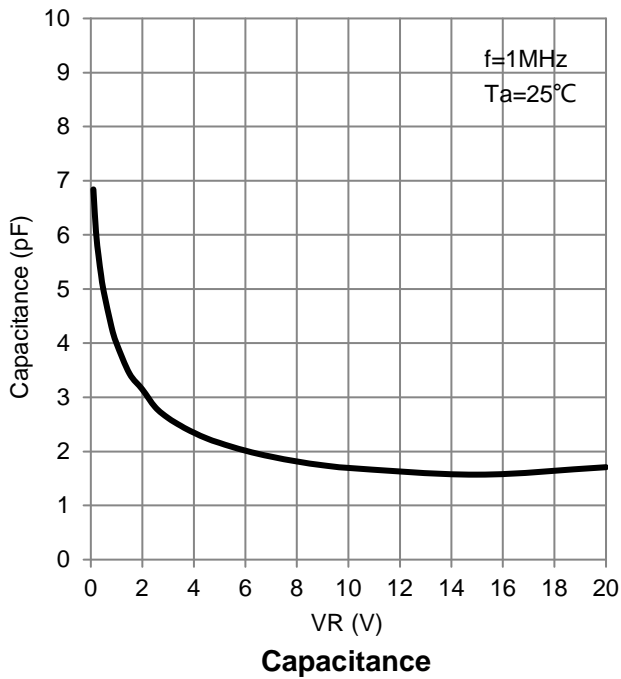
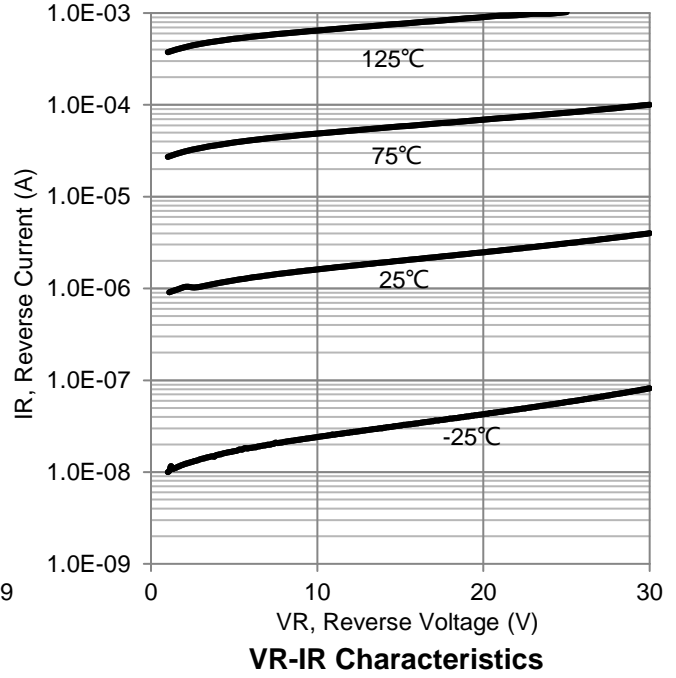
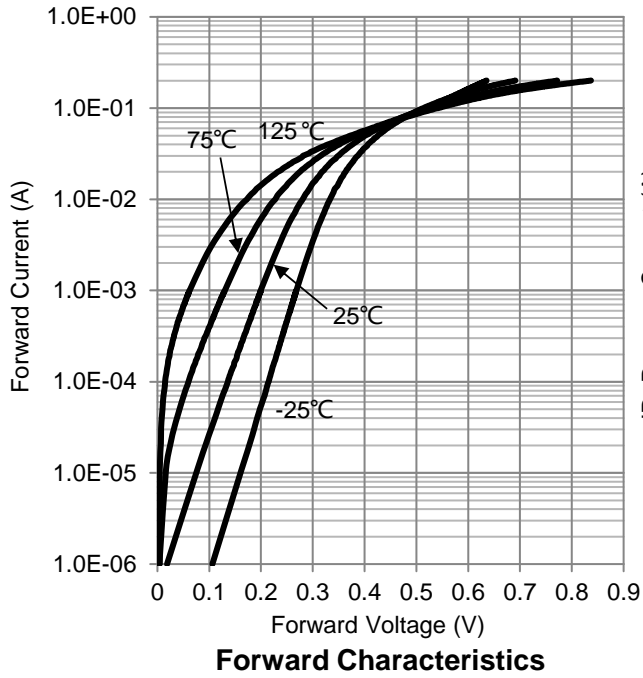
Absolute Maximum Ratings@Ta=25

Parameter	Symbol	Limits	Unit
DC reverse voltage	VR	30	V
Average rectifierd 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

(VI=14V, IO=40mA, CI=0.33 F, CO=0.1 F, unless otherwise specified)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward voltage (IF =10mA) (IF =20mA)	VF	-	-	0.35 0.4	V
Reverse current (VR =10V)	IR	-	-	10	μA



Ordering information

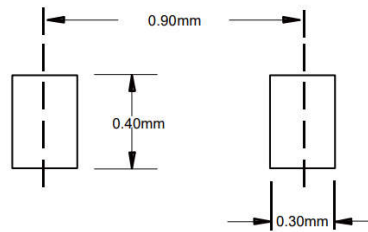
Package	Packing Description	Packing Quantity
SOD-923	Tape/Reel,7"reel	8000PCS/Reel 320000PCS/Carton

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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