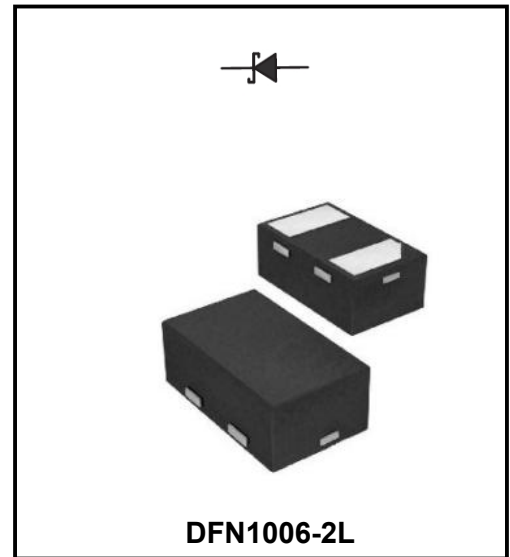


Schottky Barrier Diode

FEATURES

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



Marking Code

1N5819CS	F
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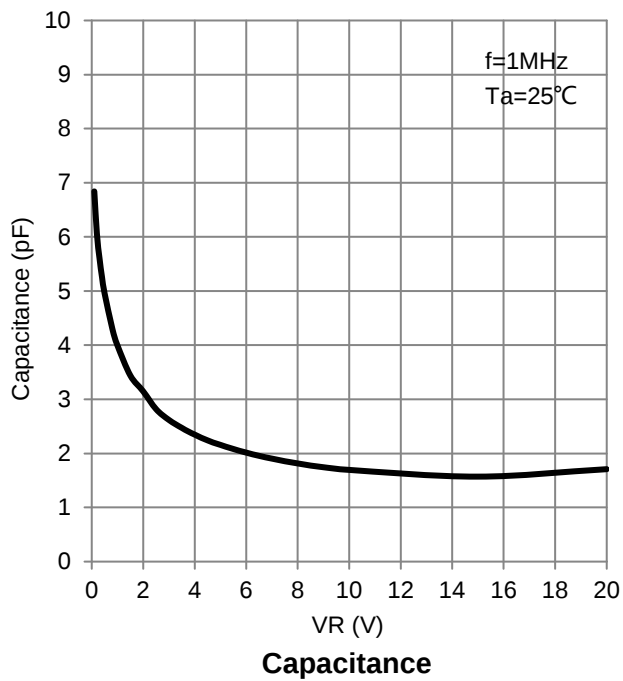
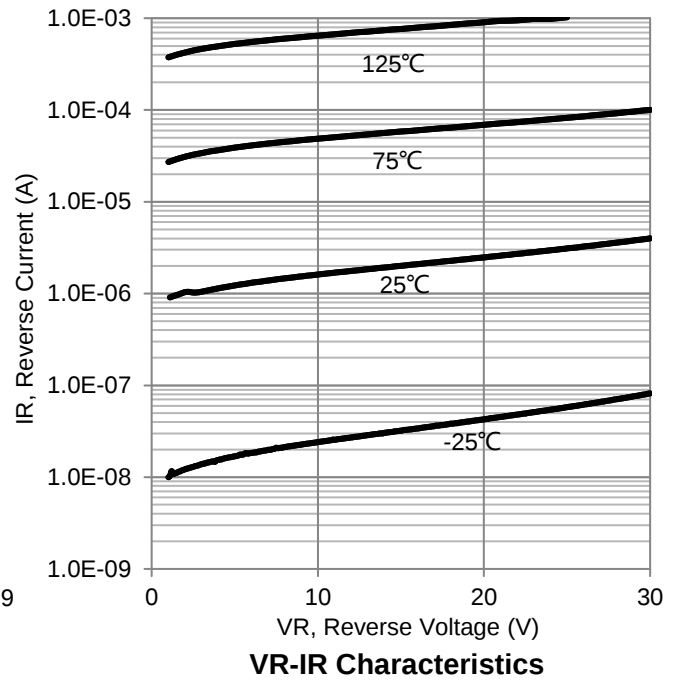
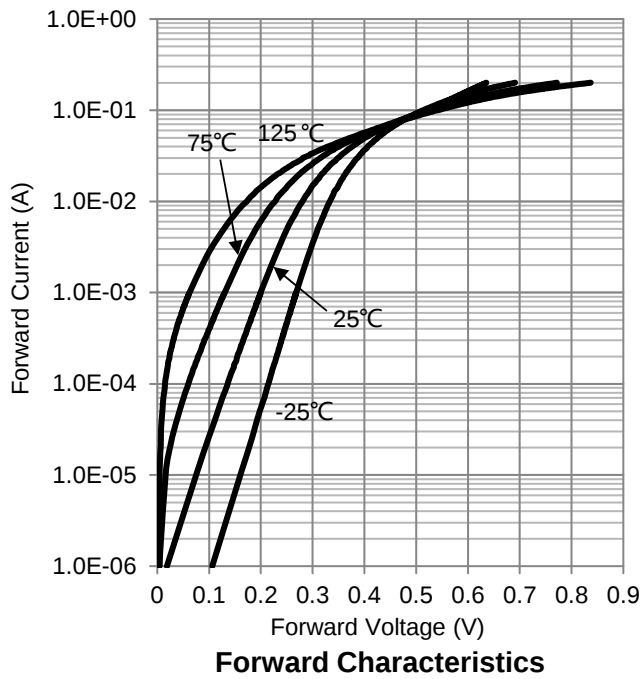
Absolute Maximum Ratings@Ta=25

Parameter	Symbol	Value	Unit
ADC reverse voltage	V_R	30	V
Average rectifier forward current	I_O	100	mA
Forward current surge peak(60Hz · 1cyc)	I_{FSM}	500	mA
Junction temperature	T_J	125	°C
Storage temperature	T_{STG}	-40~+125	°C

Electrical Characteristics

($V_I=14V, I_O=40mA, C_I=0.33 F, C_O=0.1 F$, unless otherwise specified)

Characteristic	Symbol	Min	Typ	Max	Unit
Forward voltage ($I_F=10mA$) ($I_F=20mA$)	V_F	- -	- -	0.35 0.4	V
Reverse current ($V_R=10V$)	I_R	-	-	10	μA



Ordering information

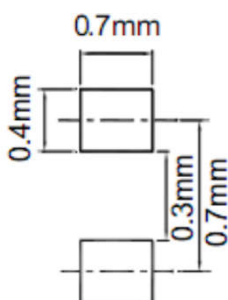
Package	Packing Description	Packing Quantity
DFN1006-2L	Tape/Reel, 7" reel	10000PCS/Reel 400000PCS/Carton

Package Dimensions

DFN1006-2L

Dim.	Millimeter(mm)		Inches	
	Min.	Max.	Min.	Max.
A	0.350	0.450	0.014	0.018
D	0.550	0.650	0.022	0.026
E	0.950	1.050	0.037	0.041
D1	0.420	0.520	0.017	0.020
E1	0.550	0.650	0.022	0.026
L	0.270	0.370	0.011	0.015
L1	-	0.100	-	0.004

The recommended mounting pad size



Disclaimer

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