

GSDSRB521N1-30F

Schottky Diode



Product Description

Schottky Barrier Diode 150mW / 30V

Features

- Low Forward Voltage
- RoHS compliant
- UL-94 V-0 / Green EMC
- Matte Tin Lead Finish (Pb-Free)

Packages & Pin Assignments

DFN1006-2L		Equivalent Circuit
		
Pin	Description	
1	Anode	
2	Cathode	

Ordering and Marking Information

Ordering Information			
Part Number	Package	Part Marking	Quantity / Reel
GSDSRB521N1-30F	DFN1006-2L	F	10000 PCS
- Product Code: GSDSRB521	- Package Code: N1 is DFN1006-2L	- Voltage Code: -30 is V _R Voltage	
- Green Level: F is RoHS Compliant and Halogen Free			
Marking Information			
- Product Code: F			

GSDSRB521N1-30F

Absolute Maximum Ratings (T_A=25°C unless otherwise noted)

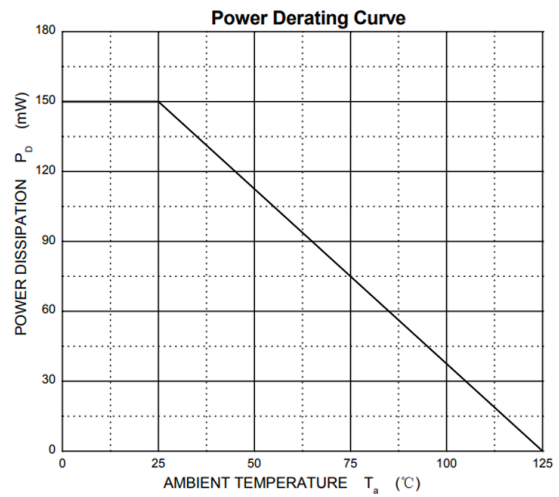
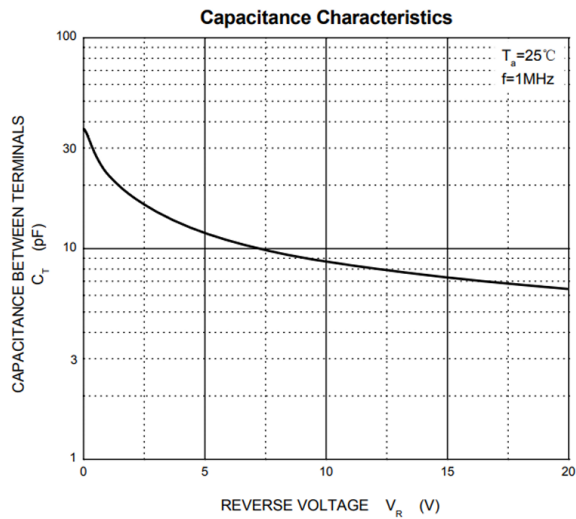
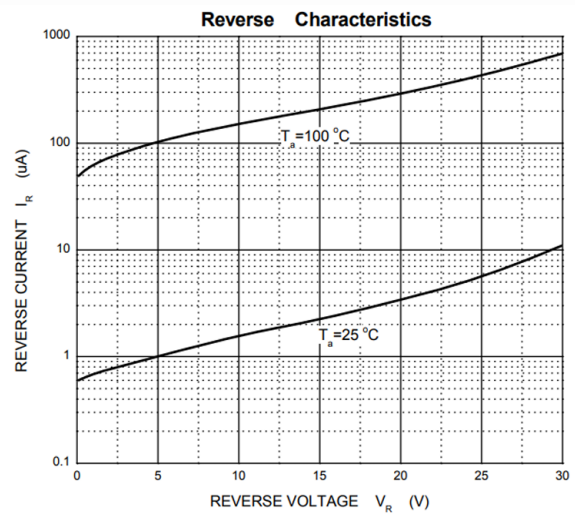
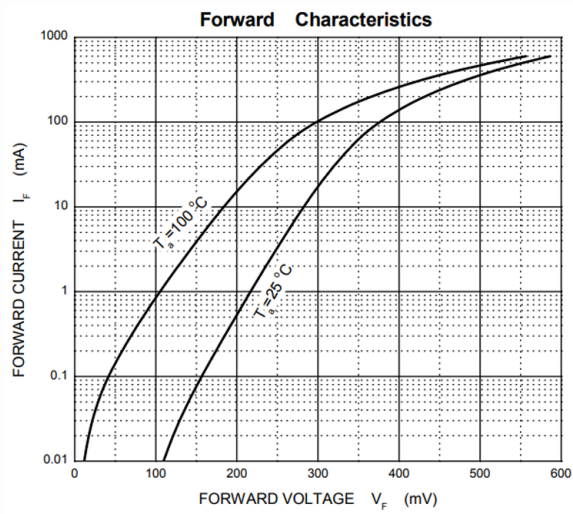
Symbol	Parameter	Rating	Unit
V _R	Reverse Voltage	30	V
I _F	Average Forward Current	200	mA
I _{FSM}	Non-Repetitive Peak Forward Current *	500	mA
P _D	Power Dissipation T _A =25°C	150	mW
T _J	Junction Temperature Range	125	°C
T _{STG}	Storage Temperature Range	-55 to +125	°C

* 8.3ms Single Half Sine-Wave

Electrical Characteristics (T_A=25°C unless otherwise specified)

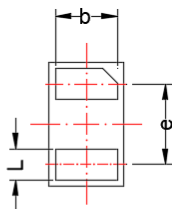
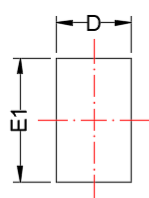
Symbol	Description	Conditions	Min	Max	Unit
V _R	Reverse Voltage	I _R =0.1mA	30	-	V
I _R	Reverse Current	V _R =10V	-	30	μA
V _F	Forward Voltage	I _F =10mA	-	0.35	V
		I _F =200mA	-	0.50	V

Performance Characteristics (T_A=25°C unless otherwise specified)

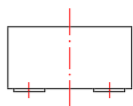
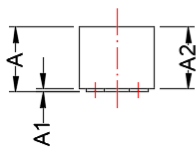


DFN1006-2L

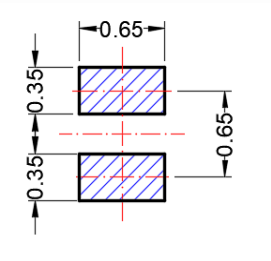
Package Dimension



BACKSIDE VIEW



Recommended Land Pattern



(Unit: mm)





Dimensions				
Symbol	Millimeters		Inches	
	Min	Max	Min	Max
A	0.45	0.60	0.018	0.024
A1	0.00	0.05	0.000	0.002
A2	0.40	0.60	0.016	0.024
b	0.45	0.55	0.018	0.022
D	0.55	0.65	0.022	0.026
E1	0.95	1.05	0.037	0.041
e1	0.65 BSC		0.026 BSC	
L	0.20	0.30	0.008	0.012



NOTE:
DIMENSION D DOES NOT INCLUDE MOLD FLASH,PROTRUSIONS OR GATE BURRS.

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