



RB521S-30DP

100 mA Schottky Barrier Diode 30 Volts

Features

- Epoxy meets UL 94 V-0 flammability rating
- Moisture Sensitivity Level 1
- High Reliability
- Low Reverse Current and Low Forward Voltage.
- Small Surface Mount Type
- Halogen free available upon request by adding suffix "-HF"
- Lead Free Finish/RoHS Compliant("P" Suffix designates RoHS Compliant. See ordering information)
- Marking: F

Maximum Ratings

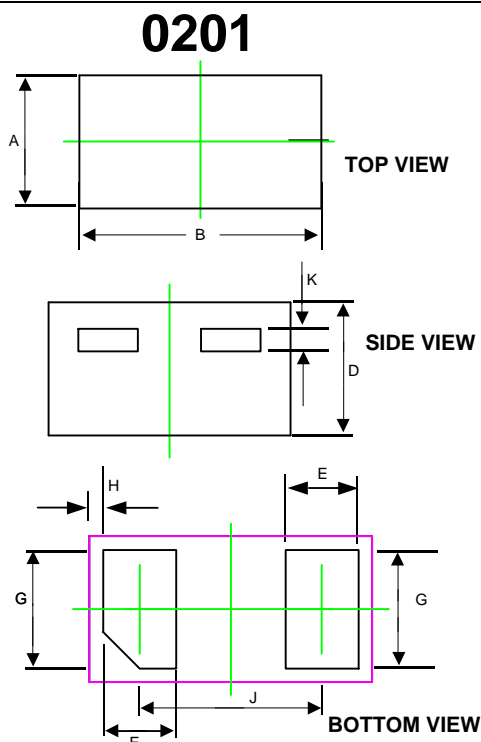
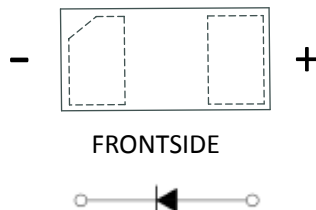
Symbol	Rating	Rating	Unit
V_{RM}	Repetitive Peak Reverse Voltage	30	V
$V_{R(RMS)}$	RMS Reverse Voltage	21	V
I_O	Mean Rectifying Current	100	mA
I_{FSM}	Non-Repetitive Peak forward Surge Current@t=8.3ms, half sine wave	500	mA
P_d	Power Dissipation	100	mW
R_{thJA}	Thermal Resistance from Junction to Ambient	1000	$^{\circ}C/W$
T_J	Junction Temperature	125	$^{\circ}C$
T_{STG}	Storage Temperature	-55 to +125	$^{\circ}C$

Electrical Characteristics @ 25°C Unless Otherwise Specified

Symbol	Parameter	Min	Typ	Max	Units
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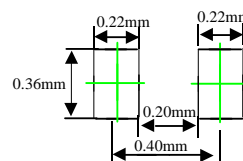
OFF CHARACTERISTICS

V_F	Forward Voltage ($I_F=10mA$) ($I_F=100mA$)	---	---	0.38 0.80	Vdc Vdc
I_R	Reverse Current ($V_R=10V$) ($V_R=30V$)	---	---	10 50	μA μA
$V_{(BR)}$	Reverse Breakdown Voltage ($I_R=50\mu A$)	30	---	---	Vdc

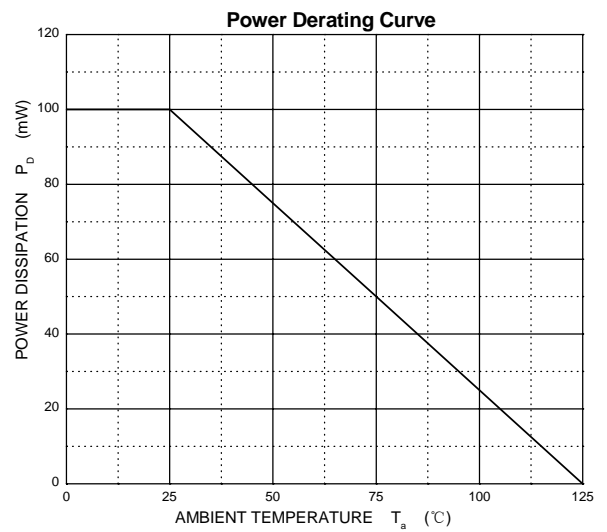
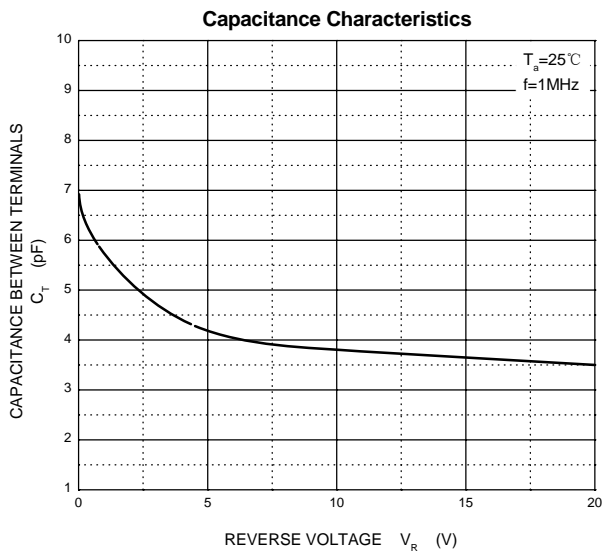
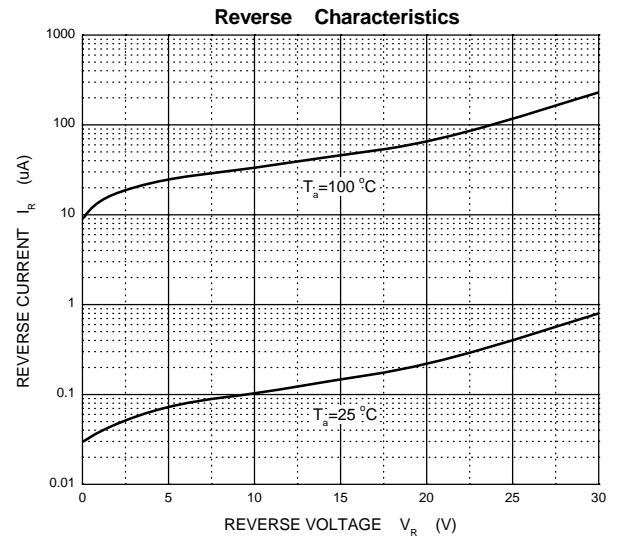
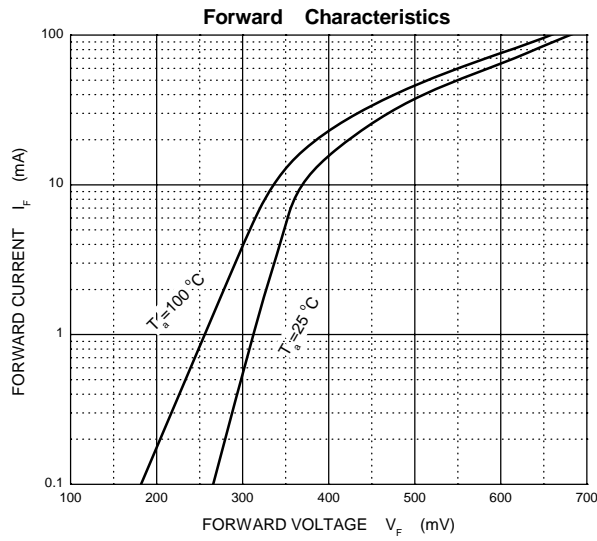


DIMENSIONS					
DIM	INCHES		MM		NOTE
	MIN	MAX	MIN	MAX	
A	0.011	0.015	0.27	0.37	
B	0.022	0.026	0.57	0.67	
D	0.011	0.013	0.275	0.34	
E	0.005	0.008	0.125	0.195	
G	0.009	0.012	0.225	0.295	
H	0.001 REF.		0.030 REF.		
J	0.014	0.017	0.365	0.435	
K	0.002REF.		0.050REF.		

SUGGESTED SOLDER PAD LAYOUT



RB521S-30DP



Ordering Information :

Device	Packing
Part Number-TP	Tape&Reel: 10Kpcs/Reel

Note : Adding "-HF" suffix for halogen free, eg. Part Number-TP-HF

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