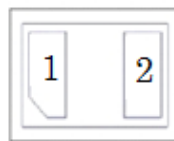


RB521D1-30

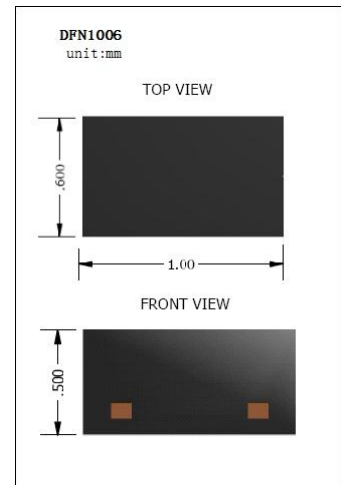
- ◇ Low current rectification
- ◇ Low forward voltage
- ◇ ROHS Compliant
- ◇ UL-94 V-0 / Green EMC
- ◇ Matte Tin Lead finish (Pb-Free)

Device Marking Code	
RB521D1-30	F

Back Diagram



Pin & Polarity



MAXIMUM RATINGS (Ta = 25 °C)

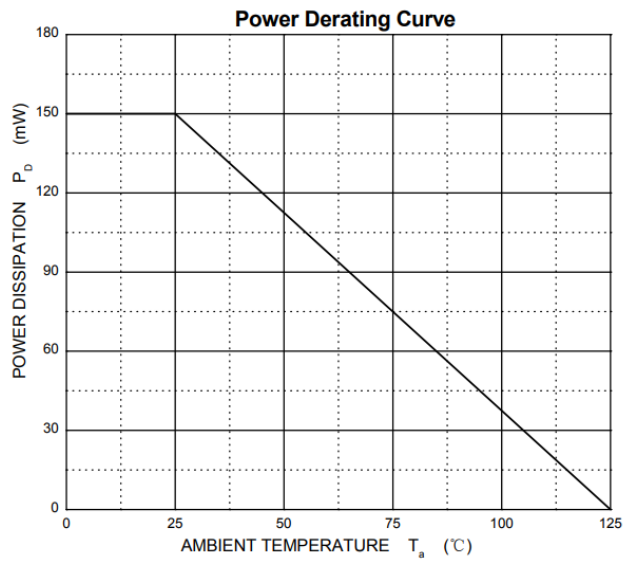
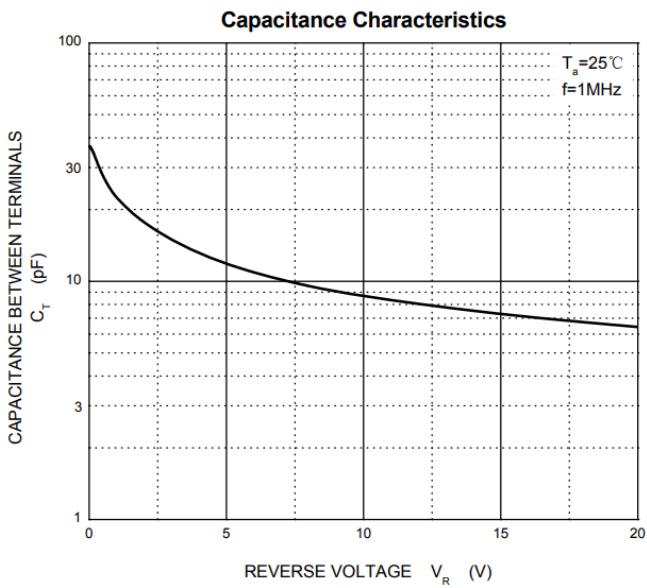
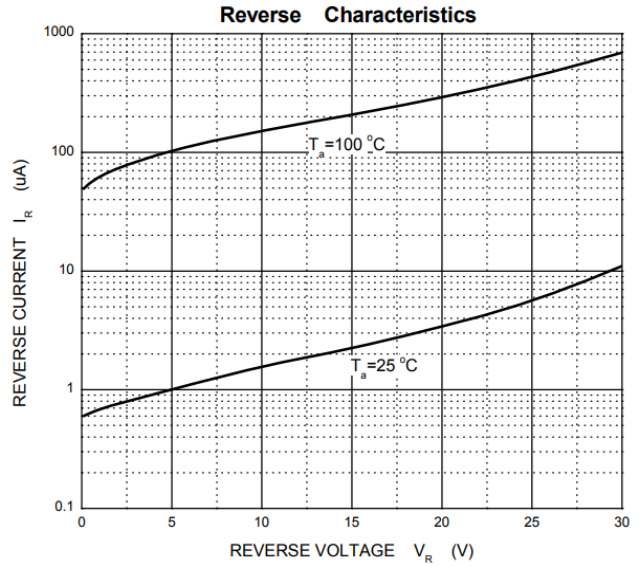
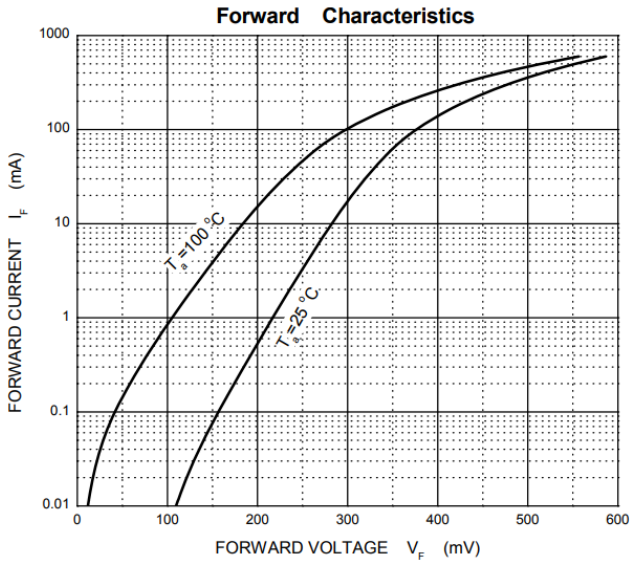
Symbol	Parameter	Value	Units
P_D	Power Dissipation	150	mW
V_R	Reverse Voltage	30	V
$I_{F(AV)}$	Average Forward Current	200	mA
I_{FSM}	Non-Repetitive Peak Forward Current *1	500	mA
T_J	Junction Temperature	125	°C
T_{STG}	Storage Temperature	-55 to +125	°C

*1: 8.3ms Single Half Sine-Wave

ELECTRICAL CHARACTERISTICS (Ta = 25 °C unless otherwise noted)

Symbol	Parameter	Conditions	Min	Typ	Max	Units
I_R	Reverse Leakage Current	$V_R=10V$			30	μA
V_F	Forward Voltage	$I_F=10mA$			0.35	V
		$I_F=200mA$			0.5	
V_R	Reverse Voltage	$I_R=100\mu A$	30			V

Typical Characteristics



ORDERING INFORMATION

Device	Package	Shipping	Tape wide	Emboss pitch	Tape specification	Notes
RB521D1-30	DFN1006-2L	Tape & Reel 10000pcs /7" Reel	8mm	4mm	Conductive	

PACKAGE DIMENSIONS

