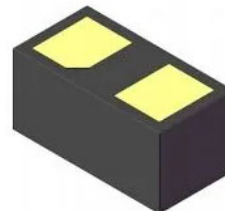


Features

- * Low forward voltage drop
- * Low reverse current
- * RoHS Compliant
- * REACH & SVHC Compliant
- * Halogen Compliant
- * DFN0603 Package

Package



DFN0603

Circuit Diagram



Marking : F

Ordering Information

Part Number	Packaging	Reel Size
RB521ZS-30	10000/Tape & Reel	7 inch

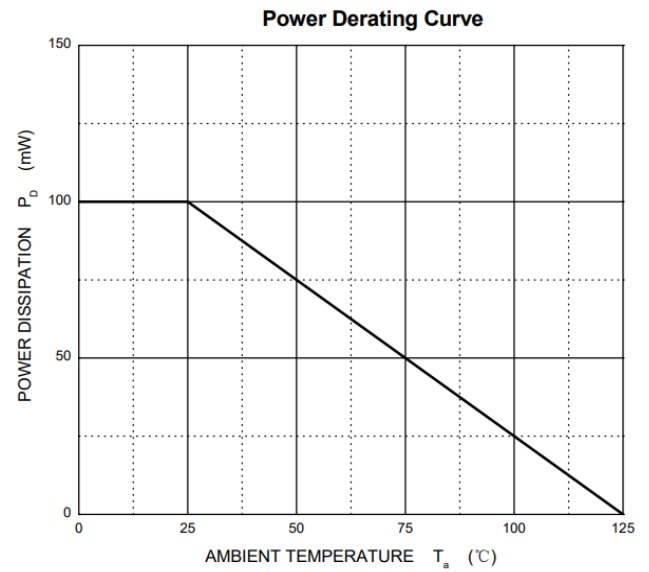
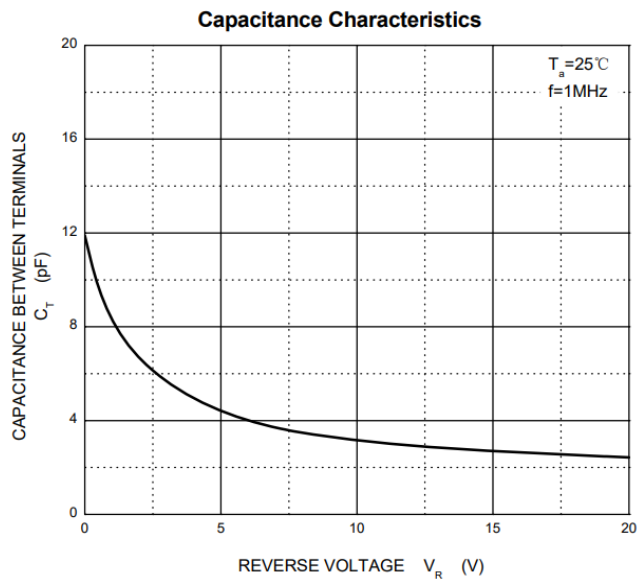
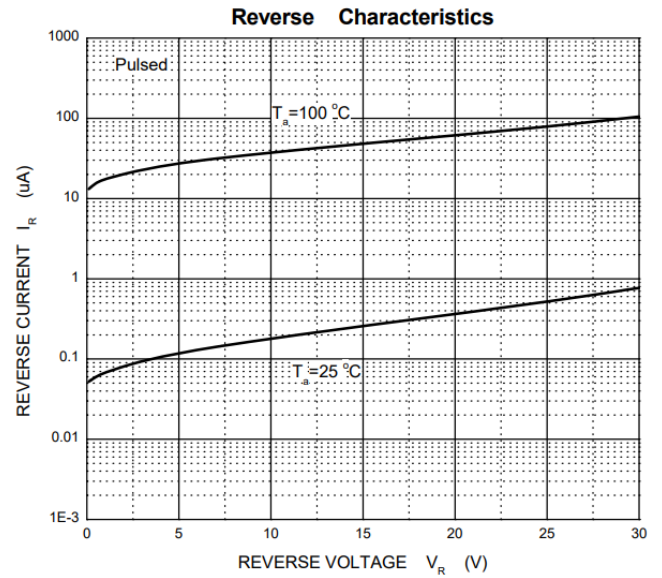
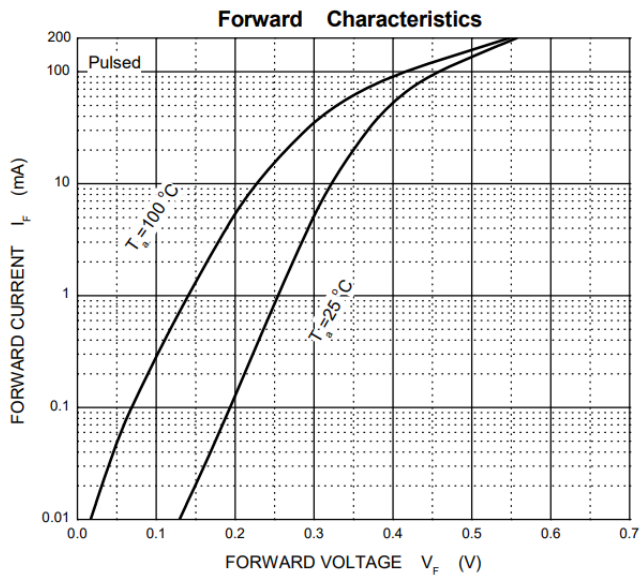
Absolute Maximum Ratings ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Value	Unit
Repetitive peak reverse voltage	V_{RRM}	30	V
DC blocking voltage	V_R	30	V
RMS reverse voltage	$V_{R(RMS)}$	21	V
Continuous forward current	I_O	0.1	A
Non-repetitive peak forward current @ $t=8.3\text{ms}$	I_{FSM}	0.5	A
Power dissipation	P_D	100	mW
Junction temperature	T_J	-40 to +125	$^{\circ}\text{C}$
Storage temperature	T_{STG}	-55 to +150	$^{\circ}\text{C}$

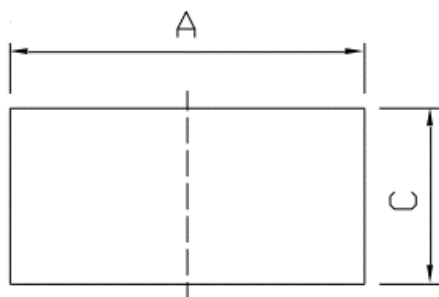
Electrical Characteristics ($T_A=25^{\circ}\text{C}$ unless otherwise specified)

Parameter	Symbol	Test Conditions	Min	Typ	Max	Unit
Reverse current	I_R	$V_R = 10\text{V}$			1	μA
Forward voltage	V_F	$I_F = 10\text{mA}$			0.44	V
Forward voltage	V_F	$I_F = 100\text{mA}$			0.55	V

Typical Performance Characteristics

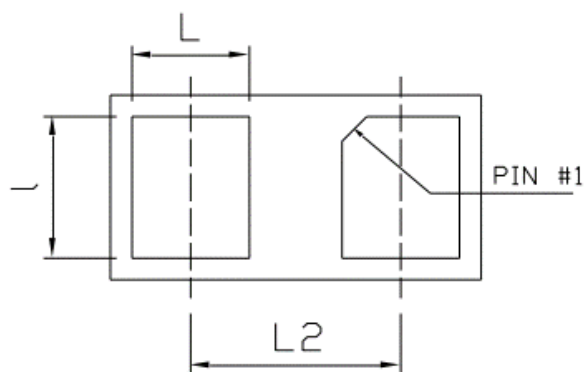


DFN0603 Package Outline Drawing

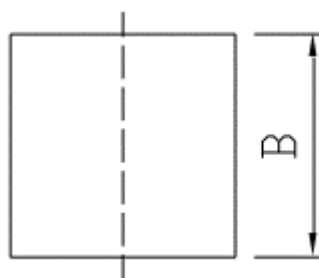


TOP VIEW

SYM	DIMENSIONS					
	MILLIMETERS			INCHES		
	Min	Typ	Max	Min	Typ	Max
A	0.58	0.60	0.65	0.0228	0.0236	0.0256
B	0.28	0.30	0.35	0.0110	0.0118	0.0138
C	0.28	0.30	0.34	0.0110	0.0118	0.0134
L	0.16	0.19	0.22	0.0063	0.0075	0.0087
L2	0.34 REF			0.0134 REF		
1	0.20	0.23	0.26	0.0079	0.0091	0.0102

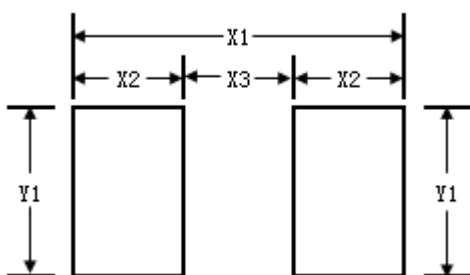


BOTTOM VIEW



SIDE VIEW

Suggested Land Pattern



SYM	DIMENSIONS	
	MILLIMETERS	INCHES
X1	0.620	0.0240
X2	0.240	0.0094
X3	0.140	0.0055
Y1	0.300	0.0118

Note:

The land pattern is for reference purposes only.