

FDCD5GBPF002 3.3~4.2GHz High Rejection Bandpass Filter

Features

- 3.3-4.2GHz Whole Sub-6G operating band
- New circuit topology for excellent return loss and high out of band rejection
- Novel Transmission zero control technology to enhance out-of-band rejection
- Passive integration on High-Si

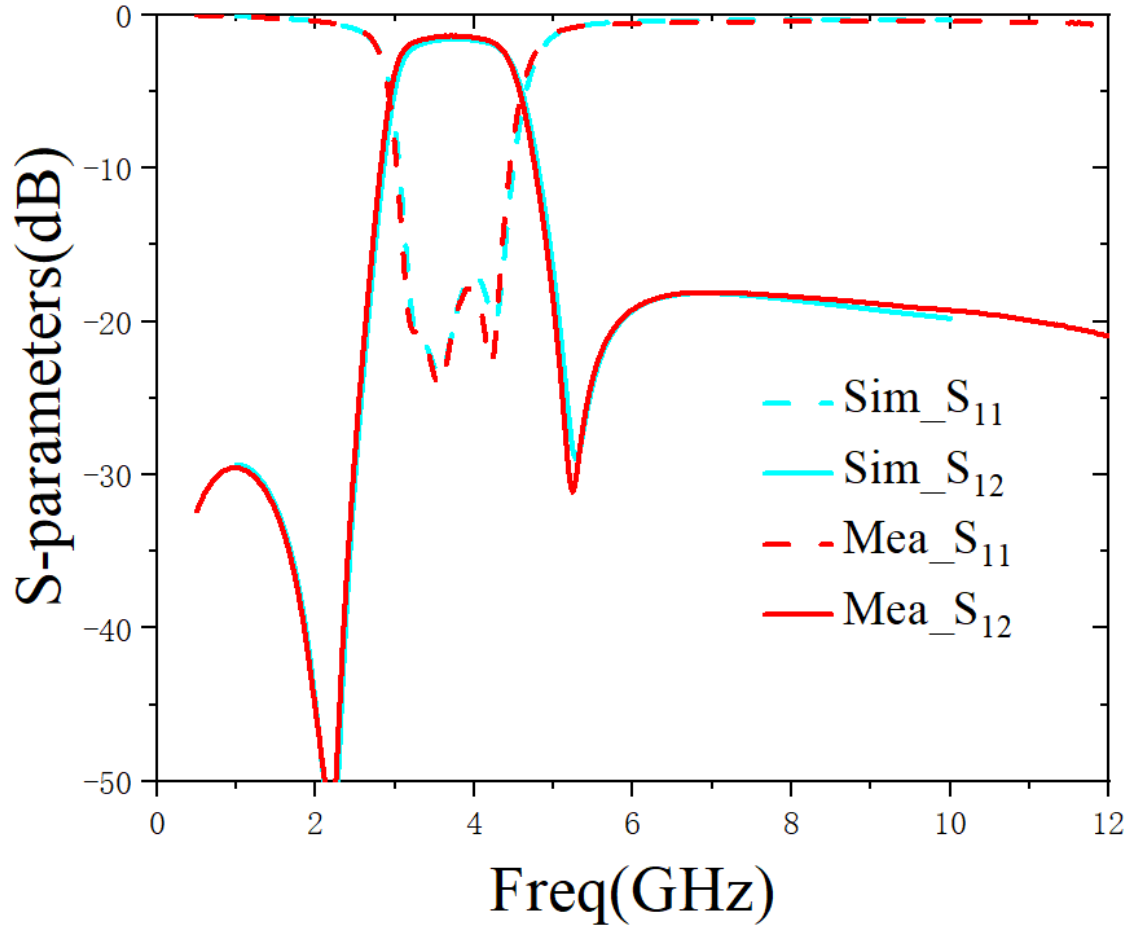
Applications

- Wireless communication
- 5G NR, Sub-6G

Specification

Description	Value
Pass Band	3300~4200MHz
Insertion Loss	1.7dB(Max)@25°C
Return Loss	18dB(Min)
Out of band rejection	40dB @1710-1850 MHz 30dB @2400-2500 MHz 18dB @2500-2690 MHz 30dB @5150-5925 MHz 20dB @6600-8400 MHz 20dB @9900-12600 MHz
Input/output Impedance	50Ω
Dimension (Die)	1mm×0.5mm×0.3mm
Operating Temperature Range	-40~+85°C

Electrical Performance



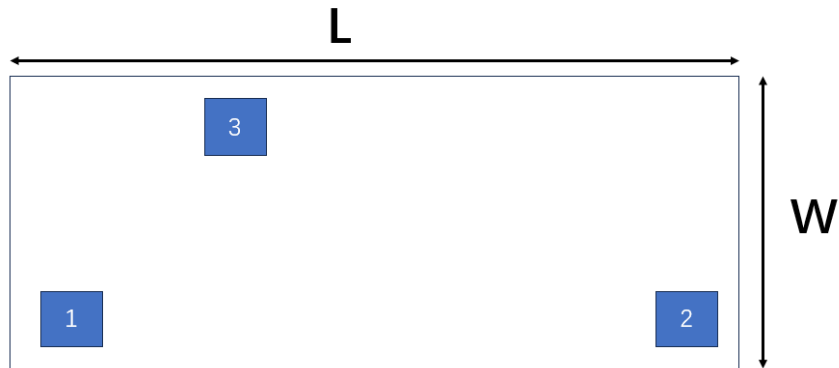
*Designed by UltraEM V202209, Faraday Dynamics, Inc., Hangzhou, Zhejiang, China, 2023.

Layout & Dimension

Dimension

Max Length--L(mm)	1.0
Max Width--W(mm)	0.5
Max Height--H(mm)	0.3
Package	FlipChip

Top View



PIN Description

PIN	Description
1	In Port
2	Out Port
3	GND