

## FDBPF009 3.3~4.2GHz Low Insertion loss Band Pass Filter

### Features

- 3.3-4.2GHz Whole Sub-6G operating band
- New circuit topology for excellent return loss and low insertion loss
- Novel Transmission zero control technology to enhance out-of-band rejection
- Passive integration on GaAs and DFN6 Package

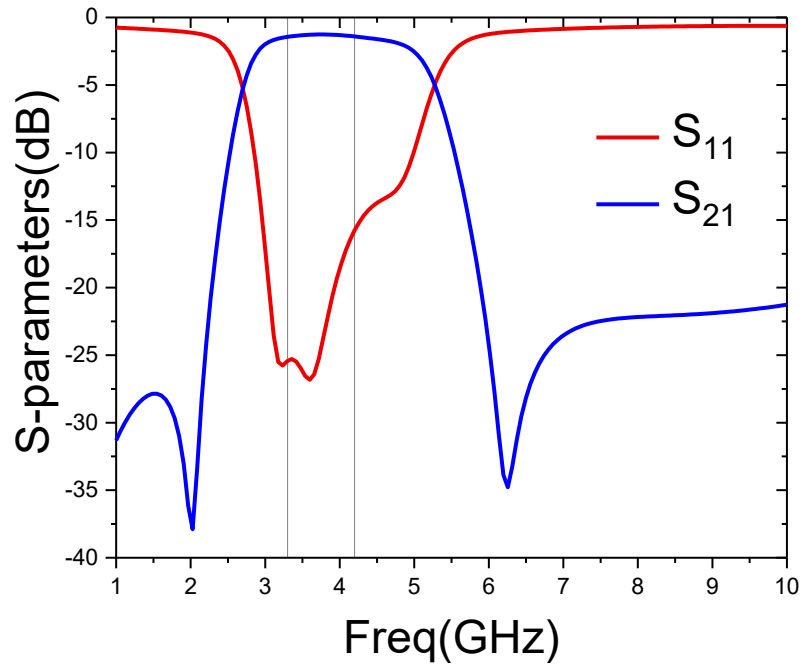
### Applications

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

### Specification

Description	Value
Pass Band	3300~4200MHz
Insertion Loss	1.4dB(Max)@25°C
Return Loss	16dB(Min)
Out of band rejection	28dB @1710-1850 MHz 12dB @2400-2500 MHz 18.5dB @5850-5925 MHz 22dB @6600-8400 MHz 24dB @9900-12600 MHz
Input/output Impedance	50Ω
Dimension (Die)	1.0mm×0.5mm×0.725mm
Operating Temperature Range	-40~+85°C
Storage conditions	Temperature +5~+35°C
	Humidity 45~75% RH
Storage Period	12 months max

## Electrical Performance



\*Designed by UltraEM V202109, Faraday Dynamics, Inc., Hangzhou, Zhejiang, China, 2022.