

FDBPF003 2.4~2.5GHz Low Insertion loss Band Pass Filter

Features

- 2.4-2.5GHz WIFI operating band
- Novel transformer and LC resonator combination for excellent low insertion loss and small chip size
- Novel Transmission zero control technology to enhance out-of-band rejection
- Passive integration on HIS and small size

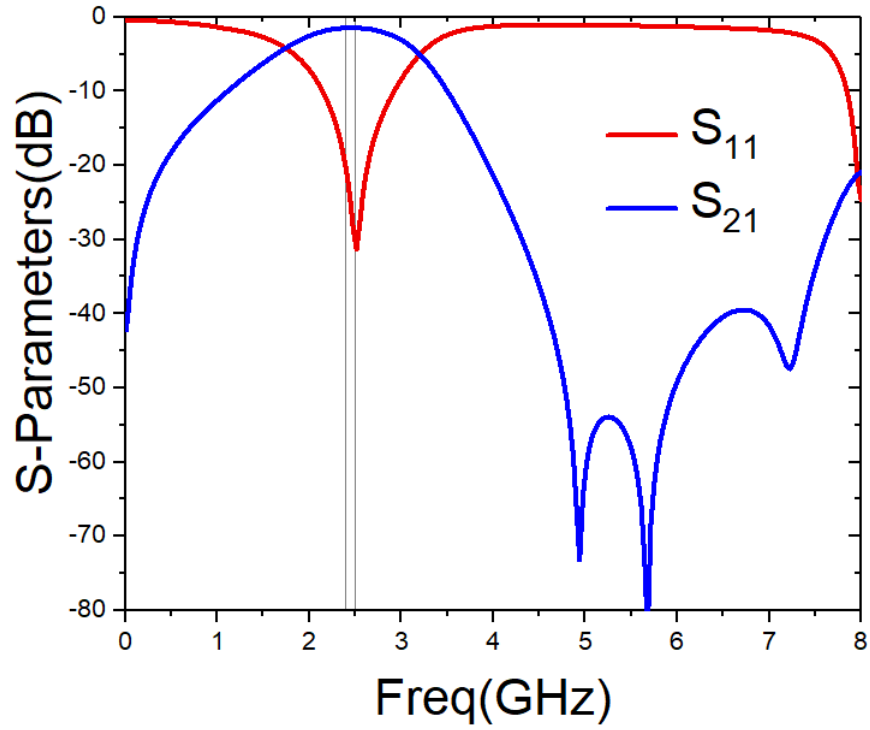
Applications

- Wireless communication
- WIFI

Specification

Description	Value
Pass Band	2400~2500MHz
Insertion Loss	1.5dB(Max)@25°C
Return Loss	20dB(Min)
Out of band rejection	50dB @4800 MHz 47dB @7200 MHz
Input/output Impedance	50Ω
Dimension (Die)	1.0mm×0.5mm×0.75mm
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.