

FDBPF004 2.4~2.5GHz High Out-of-Band Rejection Filter

Features

- 2.4-2.5 GHz operating band
- New circuit topology for excellent return loss and low insertion loss
- Passive integration on HIS and small size
- Novel Transmission zero control technology to enhance out-of-band rejection

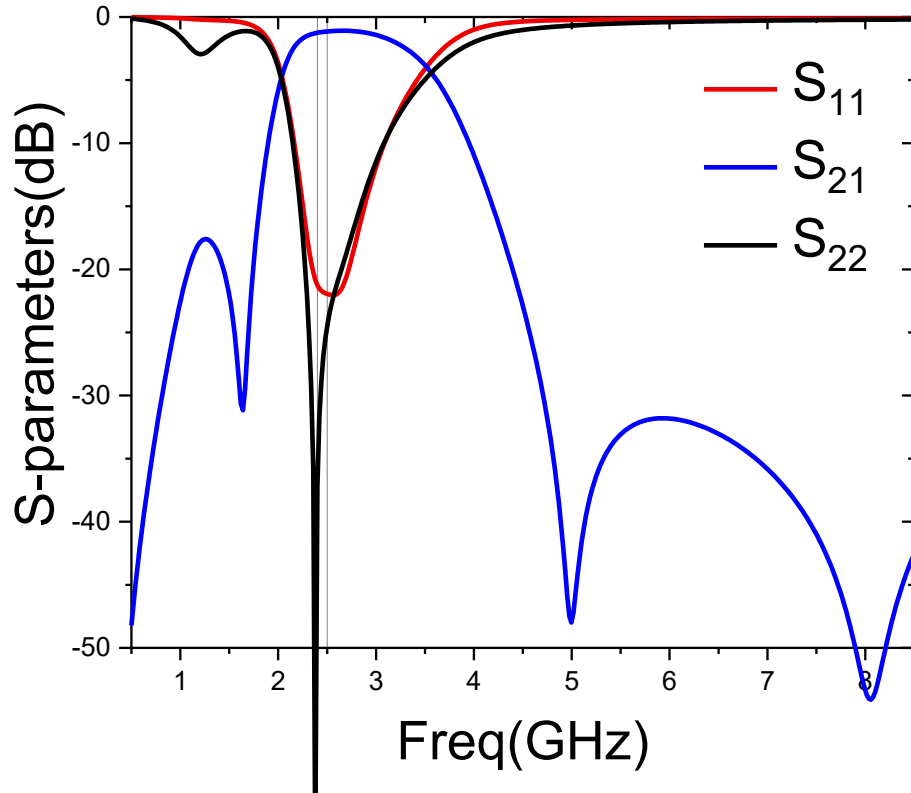
Applications

- Wireless communication
- WLAN, 802.11a/b/g/n
- Bluetooth
- ISM Band

Specification

Description	Value
Pass Band	2400~2500MHz
Insertion Loss	1.7dB(Max)@25°C
Return Loss	18dB(Min)
Out of band rejection	28dB (Min)@880-915 MHz 24dB (Min) @1710-1785 MHz 20dB (Min)@1850-1910 MHz 40dB (Min)@4800-5000 MHz 45dB (Min) @7200-7500 MHz
Input/output Impedance	50Ω
Dimension (Die)	1.2mm×0.8mm×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.