

## FDDIV001 800~1000MHz Low Insertion Loss Power Divider/ Combiner

### Features

- 800 – 1000MHz operating band
- New circuit topology for excellent return loss and low insertion loss
- Excellent amplitude balance and phase balance
- Passive integration on HIS and small size
- Passive RF IC, no need external DC power supply and no need external 100  $\Omega$  resistor

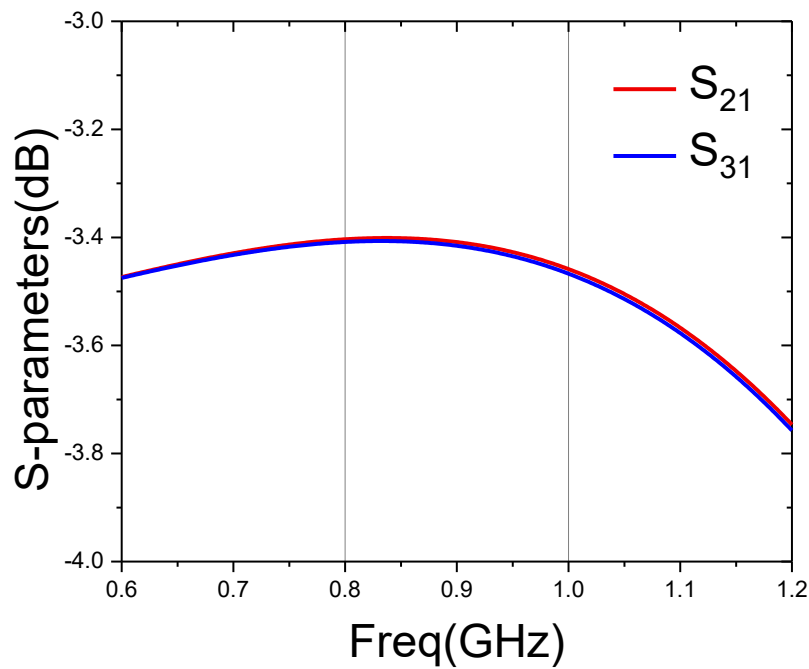
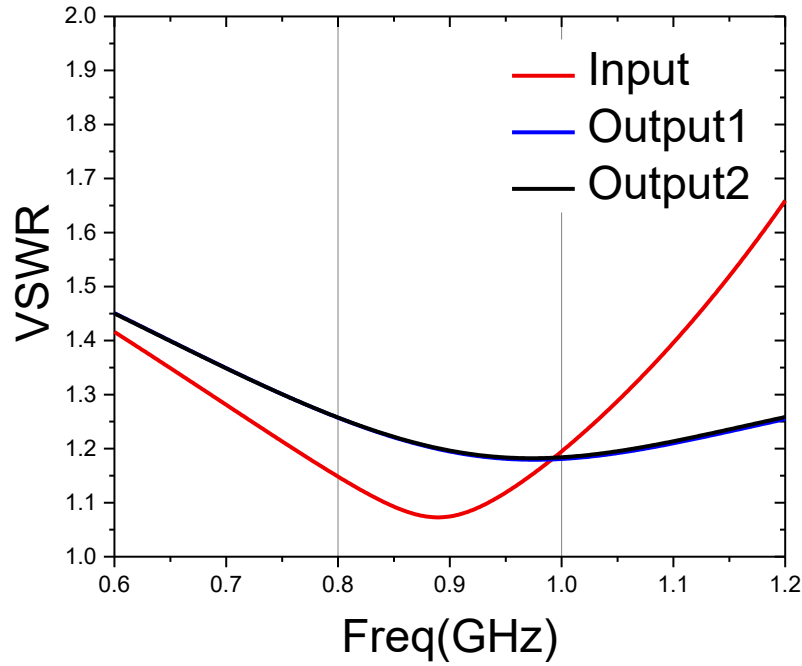
### Applications

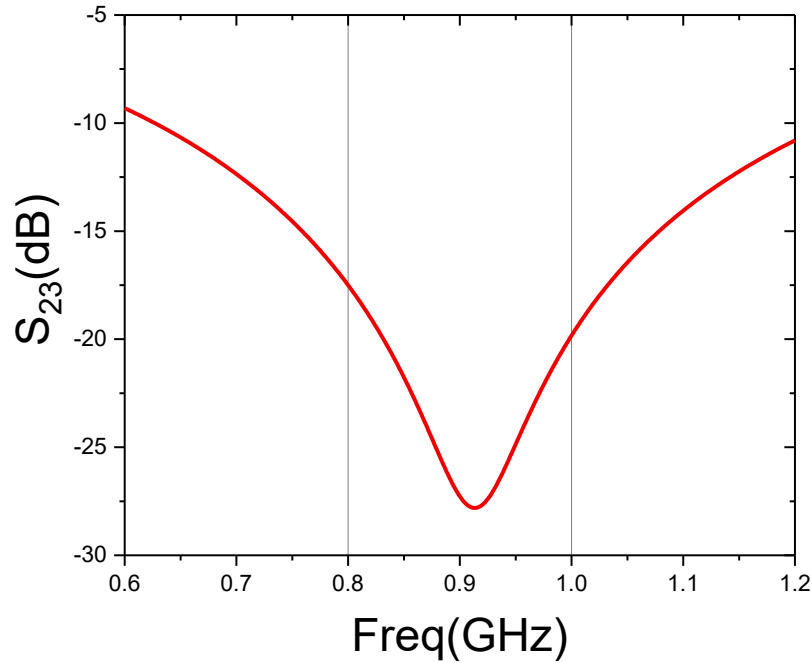
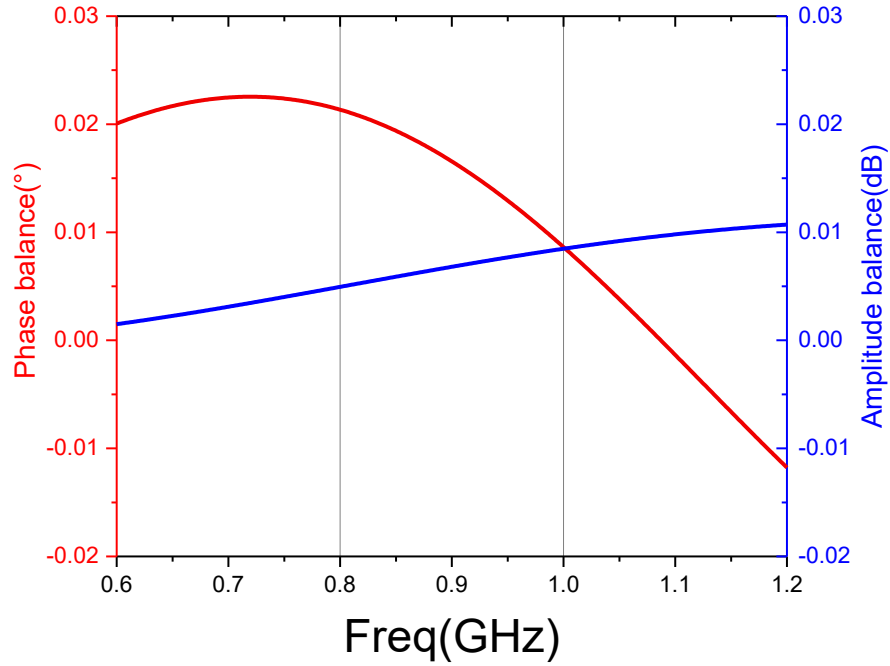
- Wireless communication
- WLAN / WiMax
- SAT Radio
- ISM band instrument
- Information System for Automotive Safety

### Specification

Description	Value
Pass Band	800~1000MHz
Insertion Loss (Above 3dB)	0.45dB (Max)@25°C
Input VSWR (Max)	1.2
Output VSWR (Max)	1.25
Input/output Impedance	50 $\Omega$
Amplitude unbalance (Min)	0.01dB
Phase unbalance (Min)	0.03°
Dimension (Die)	1.0mm×0.9mm×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.