

# Multilayer Chip Balanced Filter – SLFBF Series

Operating Temp. : -40°C~+85°C



## FEATURES

- Small size, enable high density mounting
- Low insertion loss, high attenuation
- Surface mount type, high reliability

## APPLICATIONS

- Mobile communication system, such as GSM, DCS, PCS, etc.
- Bluetooth, WLAN

## PRODUCT IDENTIFICATION

**SLFBF**

①

**21**

②

**-2R450G**

③

**-B01**

④

**T**

⑤

①

Type	
SLFBF	Balanced Filter

②

External Dimensions (L×W) (mm)	
21 [0805]	2.0×1.2

③

Center Frequency	
Example	Nominal Value
2R450G	2450.0MHz

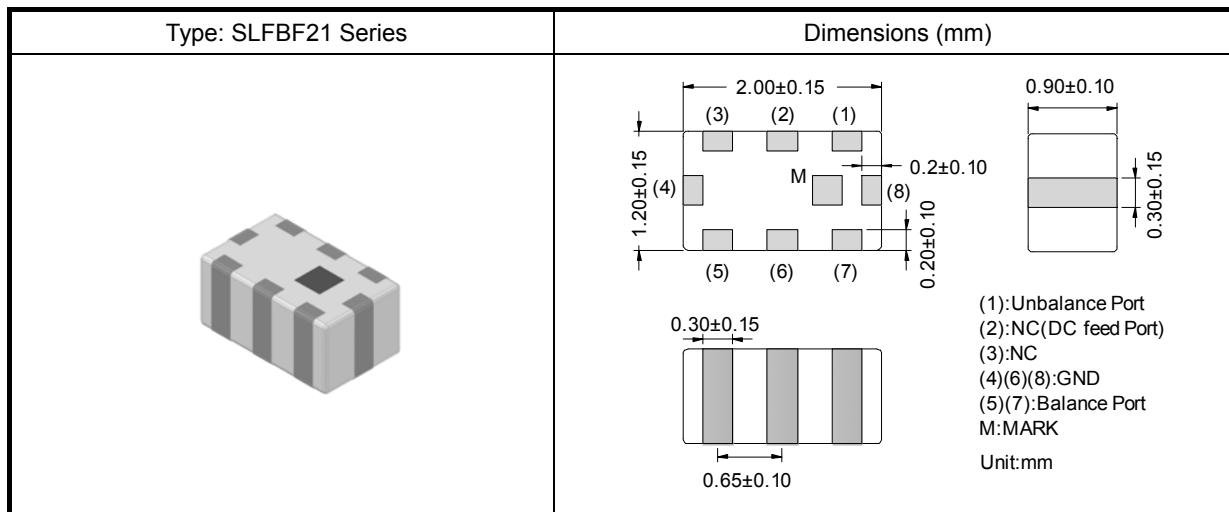
④

Series Code
A02, A11, A21, B01, B11

⑤

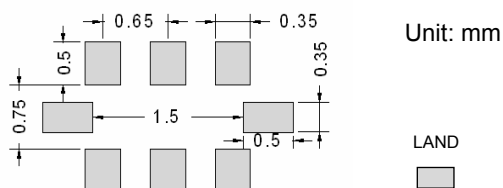
Packing
T Tape Carrier Package

## SHAPE AND DIMENSIONS



## LAND PATTERN

### SLFBF21 TYPE



# SPECIFICATIONS

## SLFBF21 TYPE

Part Number	Unbalance Port Impedance	Balance Port Impedance	Frequency Range	Insertion Loss	Attenuation	Unbalance Port VSWR in BW	Balance Port VSWR in BW	Power Capacity
Units	$\Omega$	$\Omega$	MHz	dB	dB	-	-	mW
SLFBF21-2R450G-A02T	50	Conjugate match to MTK MT6612/6616	2450±50	2.8dB Max. at 25°C	40.0dB Min. at 880~960MHz	2.10 Max.	2.10 Max.	500.0 Max.
				3.1dB Max. at -40 to +85°C	30.0dB Min. at 1710~1880MHz 16.0dB Min. at 1880~1990MHz 17.0dB Min. at 4800~5000MHz			
SLFBF21-2R450G-A11T	50	Conjugate match to MTK5931	2450±50	2.5dB Max. at 25°C	35.0dB Min. at 880~960MHz	2.00 Max.	2.00 Max.	500.0 Max.
				2.6dB Max. at -40 to +85°C	30.0dB Min. at 1710~1880MHz			
					20.0dB Min. at 1880~1990MHz 20.0dB Min. at 4800~5000MHz 25.0dB Min. at 7200~7500MHz			
SLFBF21-2R450G-A21T	50	Conjugate match to MTK 6628	2450±50	2.5dB Max. at 25°C	35.0dB Min. at 880~960MHz	2.0 Max	2.0 Max	500.0 Max.
				2.8dB Max. at -40 to +85°C	35.0dB Min. at 1545~1605MHz			
					30.0dB Min. at 1710~1910MHz 10.0dB Min. at 2170MHz 25.0dB Min. at 4800~5000MHz			
SLFBF21-2R450G-B01T	50	Conjugate match to CSR BC04, BC05	2450±50	3.4dB Max. at 25°C	45.0dB Min. at 880~960MHz	2.0 Max	2.0 Max	500.0 Max.
				3.7dB Max. at -40 to +85°C	30.0dB Min. at 1710~1880MHz			
					20.0dB Min. at 1880~1990MHz 20.0dB Min. at 4800~5000MHz 20.0dB Min. at 7200~7500MHz			
SLFBF21-2R450G-B11T	50	Conjugate match to CSR BC6888	2450±50	3.5dB Max. at 25°C	40.0dB Min. at 880~960MHz	2.10 Max.	2.10 Max.	500.0 Max.
					35.0dB Min. at 1710~1880MHz			
				3.8dB Max. at -40 to +85°C	25.0dB Min. at 1880~1990MHz			
					9.0dB Min. at 1990~2170MHz 25.0dB Min. at 4800~5000MHz 20.0dB Min. at 7200~7500MHz			