

# 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

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

③

Center Frequency	
Example	Nominal Value
2R450G	2450.0MHz

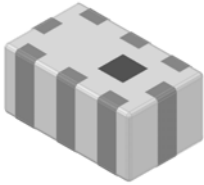
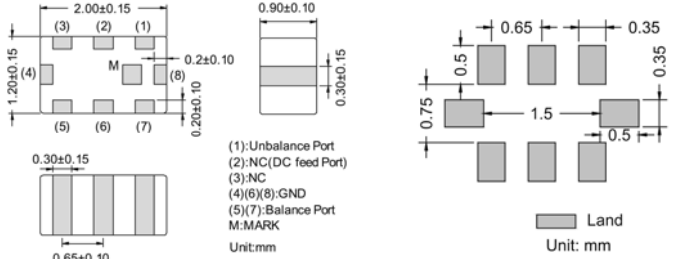
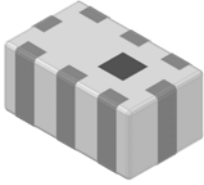
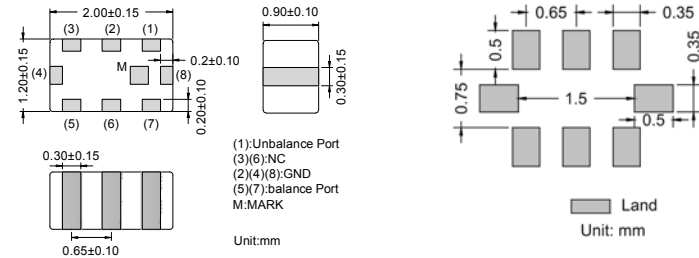
④

Series Code	
A02, A11, A21, B01	

⑤

Packing	
T	Tape Carrier Package

## SHAPE AND DIMENSIONS

<p>Type: SLFBF21 Series</p> 	<p>Dimensions and Land Patterns</p>  <p>(1): Unbalance Port                  (2): NC (DC feed Port)                  (3): NC                  (4)(6)(8): GND                  (5)(7): Balance Port                  M: MARK                  Unit: mm</p>
<p>Type: SLFBF21-2R450G-AA16/17T                  SLFBF21-5R500G-A16T</p> 	<p>Dimensions and Land Patterns</p>  <p>(1): Unbalance Port                  (3)(6): NC                  (2)(4)(8): GND                  (5)(7): balance Port                  M: MARK                  Unit: mm</p>

# SPECIFICATIONS

## SLFBB21 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
SLFBB21-2R450G-A02TF	50	Conjugate match to MTK MT6612/6616	2450±50	2.8dB Max. at 25°C	40.0dB Min. at 880~960MHz 30.0dB Min. at 1710~1880MHz	2.1 Max.	2.1 Max.	500.0 Max.
				3.1dB Max. at -40 to +85°C	16.0dB Min. at 1880~1990MHz 17.0dB Min. at 4800~5000MHz			
SLFBB21-2R450G-A11T	50	Conjugate match to MTK5931	2450±50	2.5dB Max. at 25°C	35.0dB Min. at 880~960MHz 30.0dB Min. at 1710~1880MHz	2.0 Max.	2.0 Max.	500.0 Max.
				2.6dB Max. at -40 to +85°C	20.0dB Min. at 1880~1990MHz			
					20.0dB Min. at 4800~5000MHz 25.0dB Min. at 7200~7500MHz			
SLFBB21-2R450G-A16T	50	50	2450±50	1.6dB Max. at 25°C	30.0dB Min. at 4800~5000MHz	2.0 Max.	2.0 Max.	500.0 Max.
				2.0dB Max. at -40 to +85°C	20.0dB Min. at 7200~7500MHz			
SLFBB21-2R450G-A17T	50	25	2450±50	1.6dB Max. at 25°C	25.0dB Min. at 4800~5000MHz	2.0 Max.	2.0 Max.	500.0 Max.
				2.0dB Max. at -40 to +85°C	15.0dB Min. at 7200~7500MHz			
SLFBB21-5R500G-A16T	50	50	5500±320	2.5dB Max. at 25°C	15.0dB Min. at 3450~3880MHz	2.0 Max.	2.0 Max.	500.0 Max.
				2.8dB Max. at -40 to +85°C	15.0dB Min. at 3450~3880MHz 15.0dB Min. at 10360~11650MHz			
SLFBB21-2R450G-A21T	50	Conjugate match to MTK 6628	2450±50	2.6dB Max. at -40 to +85°C	35.0dB Min. at 880~960MHz 35.0dB Min. at 1545~1605MHz	2.0 Max.	2.0 Max.	500.0 Max.
					2.0dB Max. at -40 to +85°C			
				25.0dB Min. at 4800~5000MHz				
SLFBB21-2R450G-B01T	50	Conjugate match to CSR BC04, BC05	2450±50	3.4dB Max. at 25°C	45.0dB Min. at 880~960MHz 30.0dB Min. at 1710~1880MHz	2.0 Max.	2.0 Max.	500.0 Max.
					3.7dB Max. at -40 to +85°C			
				20.0dB Min. at 4800~5000MHz				
				20.0dB Min. at 7200~7500MHz				