

Multilayer Chip LC High Pass Filter – SLFH Series

Operating Temp. : -40°C~+85°C



FEATURES

- Small size, light weight
- Low insertion loss
- Inside shielding
- SMD chip based on LTCC technology
- Center frequency and attenuation are ready for customization

APPLICATIONS

- Mobile phone and wireless module.
- Base station

PRODUCT IDENTIFICATION

SLFH

①

Type	
SLFH	High Pass Filter

15

②

-5R500G

③

External Dimensions (LxW) (mm)	
15 [0402]	1.0x0.5
21 [0805]	2.0x1.2

-31

④

④

Series Code	
31	

T

⑥

F

⑤

Center Frequency	
Example	Nominal Value
5R500G	5500.0MHz

⑤

Packing	
T	Tape Carrier Package


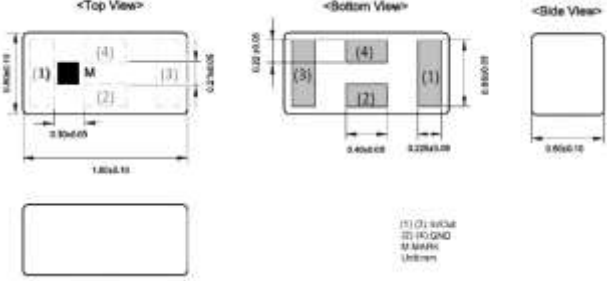

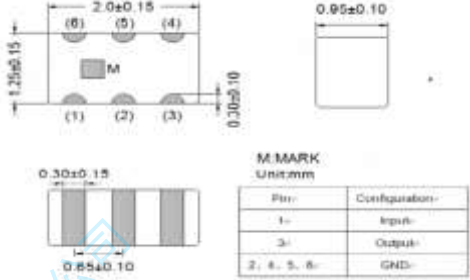
⑥

Hazardous Substance Free Products	
F	

SHAPE AND DIMENSIONS

SLFH15-5R500G-31TF	Dimensions and Land Patterns		
	<p><Top View></p> <p>(1) (4) : In/Out (2) (3) : GND M : MARK Unit : mm</p>	<p><Bottom View></p>	<p><Side View></p>
SLFH18-2R300G-02TF/ SLFH18-3R600G-33TF	Dimensions and Land Patterns		
	<p><Top View></p>	<p><Bottom View></p>	<p><Side View></p>

SHAPE AND DIMENSIONS

SLFH18-2R300G-33TF/ SLFH18-5R500G-31/33TF	Dimensions and Land Patterns								
	 <p>Legend: (1) Input (2) Output (3) GND (4) MARK (5) M MARK</p>								
SLFH21-1R500G-31TF	Dimensions and Land Patterns								
	 <p>M MARK Unit:mm</p> <table border="1"> <thead> <tr> <th>Pin</th> <th>Configuration</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>Input</td> </tr> <tr> <td>3</td> <td>Output</td> </tr> <tr> <td>2, 4, 5, 6</td> <td>GND</td> </tr> </tbody> </table>	Pin	Configuration	1	Input	3	Output	2, 4, 5, 6	GND
Pin	Configuration								
1	Input								
3	Output								
2, 4, 5, 6	GND								

SPECIFICATIONS

SLFH15 TYPE

Part Number	Passband	Max. IL in BW	Min. Return Loss	Min. Attenuation (@25°C)	Characteristic Impedance
Units	MHz	dB	dB	dB	Ω
SLFH15-5R500G-31TF	5150~5950	6.0 dB Max. at 5150~5250MHz	8 dB Min.at 5150~5250MHz	10 dB Min. at 4800~4960MHz	50
		4.0 dB Max. at 5250~5350MHz	12 dB Min.at 5250~5350 MHz		
		4.0 dB Max. at 5500~5950MHz	12 dB Min. at 5500~5950MHz		

SLFH18 TYPE

Part Number	Passband	Max. IL in BW	Min. Return Loss	Min. Attenuation (@25°C)	Characteristic Impedance
Units	MHz	dB	dB	dB	Ω
SLFH18-2R300G-02TF	2300~2690	1.45 dB Max.	10 dB Min.	20 dB Min. at 1710~190MHz	50
SLFH18-2R300G-33TF	2300~2690	1.1 dB Max. at 2300~2400MHz	10 dB Min.	20 dB at 1710~1995MHz 20 dB at 1995~2010MHz	50
		0.6 dB Max. at 2496~2690MHz			
		0.6 dB Max. at 2500~2690MHz			

SPECIFICATIONS

SLFH18 TYPE

Part Number	Passband	Max. IL in BW	VSWR	Min. Attenuation (@25°C)	Characteristic Impedance
Units	MHz	dB	-	dB	Ω
SLFH18-3R600G-33TF	3400~3800	0.30 dB Max. at 3400~3800MHz	1.50 Max. at 3400~3600MHz	26 dB Min. at 1710~1880MHz	50
			1.68 Max. at 3600~3800MHz		
SLFH18-5R500G-31TF	5150~5850	0.4 dB Max. at 25°C.	1.4 Max.	25 dB Min. at 699~1800MHz	50
				30 dB Min. at 1800~2000MHz	
				25 dB Min. at 2000~2690MHz	
SLFH18-5R500G-33TF	5150~5925	0.40 dB Max. at 25°C	1.8 Max	20 dB Min. at 698~2690MHz	50
		0.45 dB Max. at -40 ~ +85°C			

SLFH21 TYPE

Part Number	Passband	Max. IL in BW	Max. Return Loss	Min. Attenuation (@25°C)	Characteristic Impedance
Units	MHz	dB	dB	dB	Ω
SLFH21-1R500G-31TF	1358~1582	3.5 dB Max. at 1414~1582MHz	10 dB Min.	18 dB Min. at 1190MHz	50
		5.5 dB Max. at 1358~1582MHz		25 dB Min. at 1050MHz	
				15 dB Min. at 470MHz	