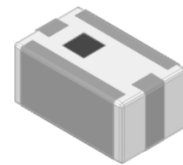


Multilayer Chip LC Band Pass Filter – SLFB Series

Operating Temp. : -40°C ~+ 85°C / -55°C ~+ 125°C



FEATURES

- Small and low profile enables high density mounting
- Low insertion loss and high attenuation
- Excellent solderability

APPLICATIONS

- Mobile communication equipment for GSM, LTE, 5G systems, etc.
- Bluetooth, WLAN, WIFI, GPS, etc.
- Base station application

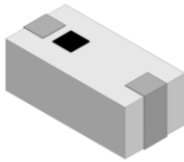
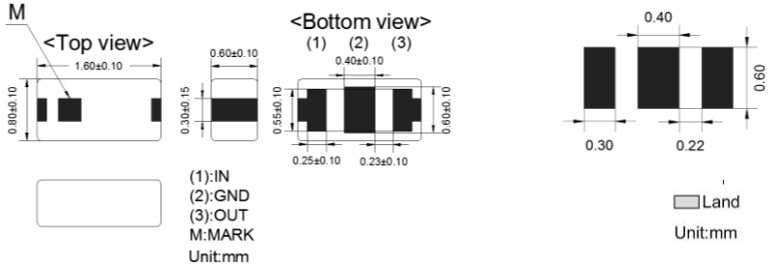
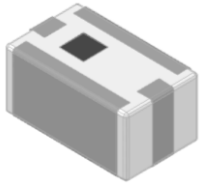
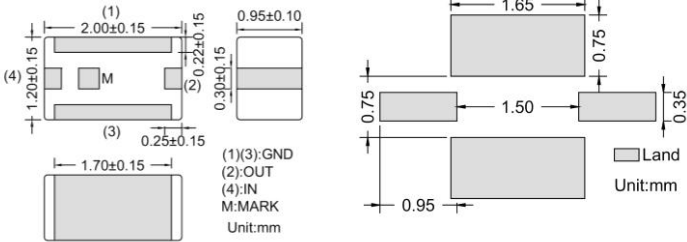
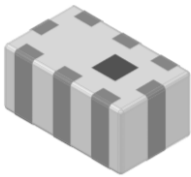
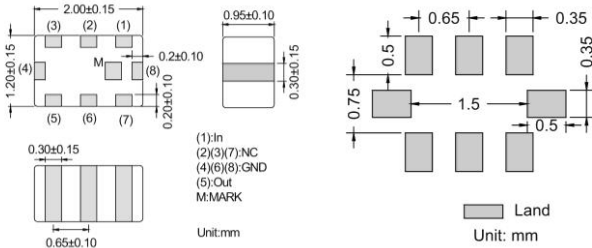
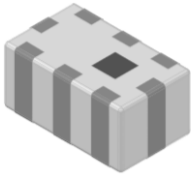
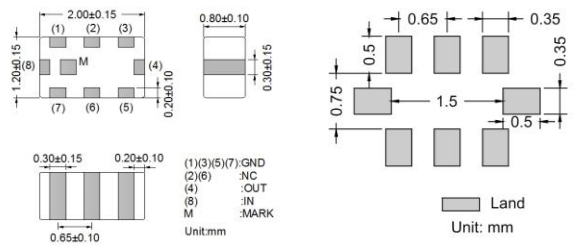
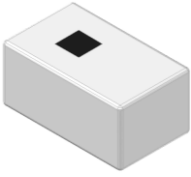
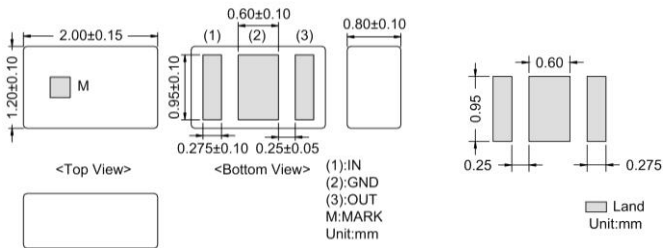
PRODUCT IDENTIFICATION

<u>SLFB</u> ①	<u>18</u> ②	<u>-2R450G</u> ③	<u>-02</u> ④	<u>T</u> ⑤	<u>F</u> ⑥																										
①	②	③	④	⑤	⑥																										
<table border="1"> <tr><th colspan="2">Type</th></tr> <tr><td>SLFB</td><td>Bandpass LC Filter</td></tr> </table>		Type		SLFB	Bandpass LC Filter	<table border="1"> <tr><th colspan="2">External Dimensions (LxW) (mm)</th></tr> <tr><td>15 [0402]</td><td>1.0x0.5</td></tr> <tr><td>18 [0603]</td><td>1.6x0.8</td></tr> <tr><td>21 [0805]</td><td>2.0x1.2</td></tr> <tr><td>22 [1008]</td><td>2.5x2.0</td></tr> <tr><td>32 [1210]</td><td>3.2x2.5</td></tr> </table>		External Dimensions (LxW) (mm)		15 [0402]	1.0x0.5	18 [0603]	1.6x0.8	21 [0805]	2.0x1.2	22 [1008]	2.5x2.0	32 [1210]	3.2x2.5	<table border="1"> <tr><th colspan="2">Center Frequency</th></tr> <tr><th>Example</th><th>Nominal Value</th></tr> <tr><td>1R917G</td><td>1910MHz</td></tr> <tr><td>2R450G</td><td>2450MHz</td></tr> <tr><td>5R550G</td><td>5550MHz</td></tr> </table>		Center Frequency		Example	Nominal Value	1R917G	1910MHz	2R450G	2450MHz	5R550G	5550MHz
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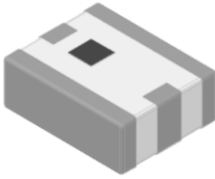
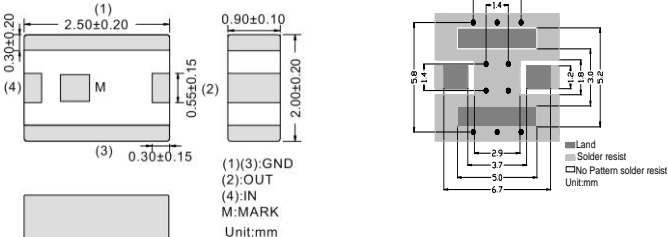
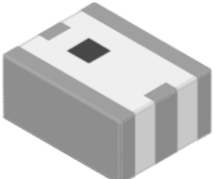
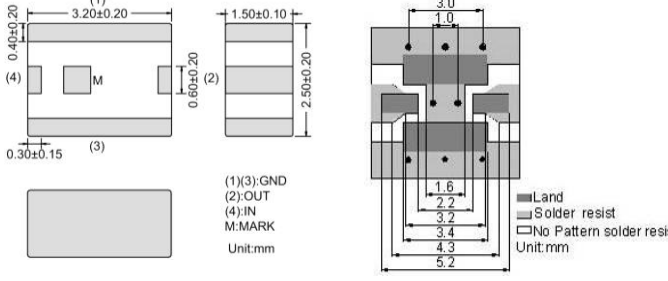
SHAPE AND DIMENSIONS

Type: SLFB15-2R450G-02TF	Dimensions and Land Patterns
	<p>(1)(3):GND (2):Output/Input (4):Input/Output A:Mark Unit:mm</p>
Type: SLFB18 Series	Dimensions and Land Patterns
	<p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>

SHAPE AND DIMENSIONS

<p>Type: SLFB18-2R450G-10TF</p> 	<p>Dimensions and Land Patterns</p> 
<p>Type: SLFB21 Series</p> 	<p>Dimensions and Land Patterns</p> 
<p>Type: SLFB21-2R450G-02TF</p> 	<p>Dimensions and Land Patterns</p> 
<p>Type: SLFB21-2R450G-13TF</p> 	<p>Dimensions and Land Patterns</p> 
<p>Type: SLFB21-2R450G-06/09/10TF</p> 	<p>Dimensions and Land Patterns</p> 

SHAPE AND DIMENSIONS

Type: SLFB22 Series	Dimensions and Land Patterns
	 <p>(1) 2.50 ± 0.20 (2) 0.90 ± 0.10 (3) 0.30 ± 0.15 (4) 0.30 ± 0.20 (5) 0.55 ± 0.15 (6) 2.00 ± 0.20</p> <p>(1)(3): GND (2): OUT (4): IN M: MARK Unit: mm</p> <p>Legend: ■ Land ■ Solder resist □ No Pattern solder resist Unit: mm</p>
Type: SLFB32 Series	Dimensions and Land Patterns
	 <p>(1) 3.20 ± 0.20 (2) 1.50 ± 0.10 (3) 0.60 ± 0.20 (4) 0.40 ± 0.20 (5) 0.30 ± 0.15 (6) 2.50 ± 0.20</p> <p>(1)(3): GND (2): OUT (4): IN M: MARK Unit: mm</p> <p>Legend: ■ Land ■ Solder resist □ No Pattern solder resist Unit: mm</p>

SPECIFICATIONS

SLFB15 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB15-2R450G-02TF	2450.0	$f_0 \pm 50.0$	1.4	25dB Min. at 880~960MHz 8.0dB Min. at 1710~1970MHz 23dB Min. at 4800~5000MHz 32dB Min. at 7200~7500MHz	0.38±0.05

SLFB18 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB18-1R910G-01TF	1910.0	1805~2025	1.7	30dB at 700~950MHz 15dB at 950~1050MHz 30dB at 2400~2500MHz 35dB at 2700~5400MHz 30dB at 5500~12500MHz	0.75
SLFB18-1R950G-01TF	1950.0	1880~2025	1.9	20dB at 1545~1610MHz 25dB at 2400~2500MHz 25dB. at 5150~5850MHz	0.75
SLFB18-2R450G-02TF	2450.0	$f_0 \pm 50.0$	2.2	24dB Min. at 880~960MHz 20dB Min. at 1710~1990MHz 15.5dB Min. at 4800~5000MHz 19.5dB Min. at 7200~7500MHz	0.60±0.10

SPECIFICATIONS

SLFB18 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB18-2R450G-07TF	2450.0	$f_0 \pm 50.0$	1.8	30dB Min. at 800~960MHz	0.60±0.10
				25dB Min. at 1710~1990MHz	
				30dB Min. at 4800~5000MHz	
				30dB Min. at 7200~7500MHz	
SLFB18-2R450G-08TF	2450.0	$f_0 \pm 50.0$	1.8	27dB Min. at 800~900MHz	0.60±0.10
				34dB Min. at 4800~5000MHz	
				34dB Min. at 7200~7500MHz	
SLFB18-2R450G-10TF	2450.0	$f_0 \pm 50.0$	3.0	35dB Min. at 880~960MHz	0.60±0.10
				30dB Min. at 1505~1610MHz	
				25dB Min. at 1710~1990MHz	
				15dB Min. at 2110~2170MHz	
				25dB Min. at 4800~5000MHz	
SLFB18-2R450G-31TF	2450.0	$f_0 \pm 50.0$	0.95	20dB at 500~960 MHz	0.60±0.10
				23dB at 3200~3312 MHz	
				30dB at 4800~5000 MHz	
				32dB at 7200~7500 MHz	
SLFB18-5R500G-01TF	5512.5	$f_0 \pm 362.5$	1.5	30dB Min. at 800~3800MHz 15dB Min. at 10000~12000MHz	0.65±0.10
SLFB18-5R500G-31TF	5512.5	$f_0 \pm 362.5$	1.5	33dB at 100~2170 MHz	0.65±0.10
				29dB at 2170~2500 MHz	
				15dB at 6900~7000 MHz	
				16dB at 7000~7200 MHz	
				16dB at 7200~7800 MHz	
32dB at 9800~12000 MHz					

SLFB21 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB21-2R450G-02TF	2450.0	$f_0 \pm 50.0$	1.5	35dB Min. at 880~960MHz	0.95±0.10
				20dB Min. at 1710~1990MHz	
				30dB Min. at 4800~5000MHz	
SLFB21-2R450G-03TF	2450.0	$f_0 \pm 50.0$	1.7	30dB Min. at 900MHz	0.95±0.10
				20dB Min. at 1850MHz	
				30dB Min. at 4800MHz	
SLFB21-2R450G-06TF	2450.0	$f_0 \pm 50.0$	1.8	30dB Min. at 824~915MHz	0.80±0.10
				28dB Min. at 1545~1605MHz	
				35dB Min. at 1710~1990MHz	
				30dB Min. at 2170MHz	
				30dB Min. at 4800~5000MHz	
25dB Min. at 7200~7500MHz					

SPECIFICATIONS

SLFB21 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB21-2R450G-09TF	2450.0	$f_0 \pm 50.0$	1.5	30dB Min. at 746~960MHz	0.80±0.10
				30dB Min. at 1540~1605MHz	
				30dB Min. at 1710~1990MHz	
				30dB Min. at 2110~2170MHz	
				15dB Min. at 3300~3800MHz	
				30dB Min. at 4800~5000MHz 20dB Min. at 7200~7500MHz	
SLFB21-2R450G-10TF	2450.0	$f_0 \pm 50.0$	2.5	30dB Min. at 746~960MHz	0.80±0.10
				30dB Min. at 1540~1605MHz	
				30dB Min. at 1710~1990MHz	
				30dB Min. at 2110~2170MHz	
				35dB Min. at 4800~5000MHz	
				20dB Min. at 7200~7500MHz	
SLFB21-2R450G-13TF	2450.0	$f_0 \pm 50.0$	1.0	21dB Min. at 902~928 MHz	0.80±0.10
				26dB Min. at 4800~5000 MHz	
				34dB Min. at 7200~7500 MHz	
				29dB Min. at 9600~10000 MHz	
SLFB21-5R500G-01TF	5410.0	$f_0 \pm 510.0$	1.5	30dB Min. at 3500MHz	0.95±0.10
				25dB Min. at 9800~11840MHz	
				5dB Min. at 14700~17760MHz	

SLFB22 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB22-2R450G-A1TF	2450.0	$f_0 \pm 50.0$	1.7	25dB Min. at 1750MHz	0.90±0.10
				6dB Min. at 2100MHz	
				22dB Min. at 4800~5000MHz	
				20dB Min. at 7200~7500MHz	
SLFB22-1R917G-A4TF	1917.0	$f_0 \pm 50.0$	1.9	50dB Min. at 956~961MHz	0.90±0.10
				24dB Min. at 2868~2883MHz	
				29dB Min. at 3824~3844MHz	
				33dB Min. at 4780~4805MHz 32dB Min. at 5736~5766MHz	

SLFB32 TYPE

Part Number	Center Frequency	Pass Band	Max. IL in PB (at 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	PB	IL	-	T
SLFB32-2R450G-K5TF	2450.0	$f_0 \pm 50.0$	1.8	48dB Min. at 902~928MHz	1.50±0.10
				50dB Min. at 1500~1550MHz	
				12dB Min. at 2150~2200MHz	
				30dB Min. at 4800~5000MHz	