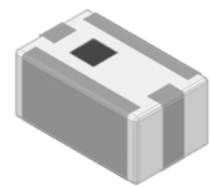


Multilayer Chip LC Filter (Bandpass) – SLFB Series

Operating Temp. : -40°C~+85°C



FEATURES

- Small and low profile enables high density mounting
- Low insertion loss & high attenuation
- Inside shielding
- Excellent solderability
- Centre frequencies and responses are ready for customization

APPLICATIONS

- Mobile communication system, such as PDC, GSM, PCS, etc.
- Bluetooth, Wireless LAN, WIFI, GPS, etc.

PRODUCT IDENTIFICATION

SLFB

①

18

②

-2R450G

③

-02

④

T

⑤

F

⑥

①

Type	
SLFB	Bandpass LC Filter

②

External Dimensions (LxW) (mm)	
32 [1210]	3.2x2.5
31 [1206]	3.2x1.6
22 [1008]	2.5x2.0
21 [0805]	2.0x1.2
18 [0603]	1.6x0.8
15 [0402]	1.0x0.5

③

Center Frequency	
Example	Nominal Value
0R820G	820.0MHz
1R917G	1917MHz
2R450G	2450MHz

④

Series Code
02, A1, B1, C1, K1, F1, etc.

⑤

Packing	
T	Tape & Reel

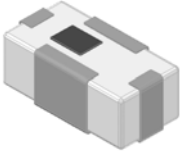
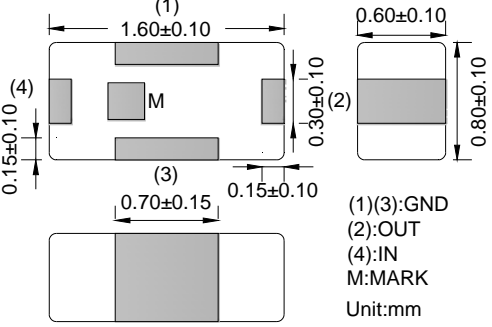
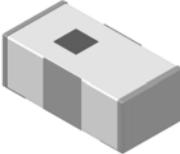
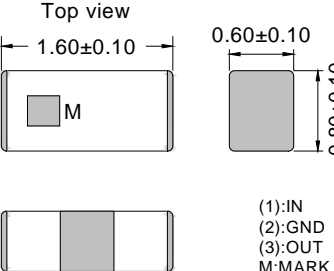
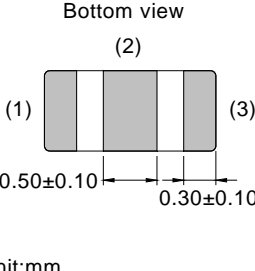
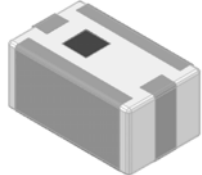
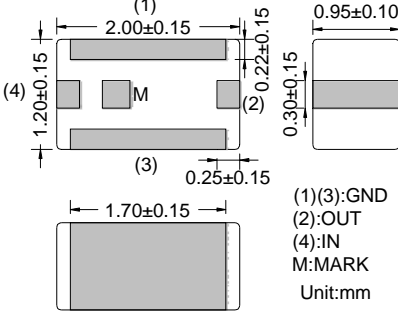

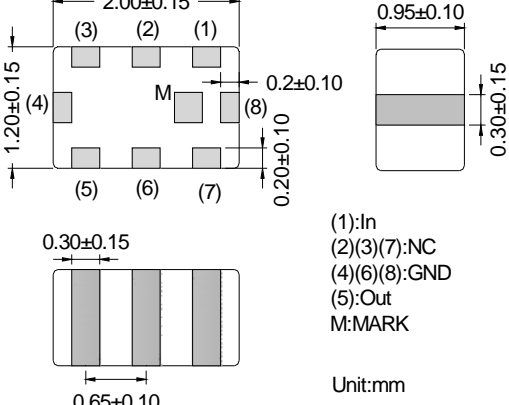
⑥

Hazardous Substance Free Products
F

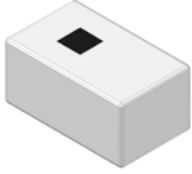
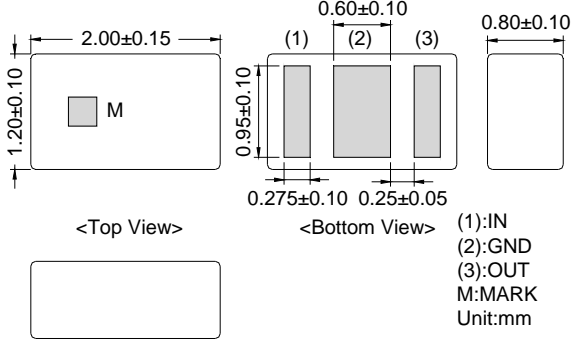
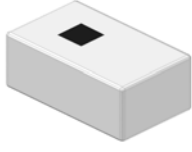
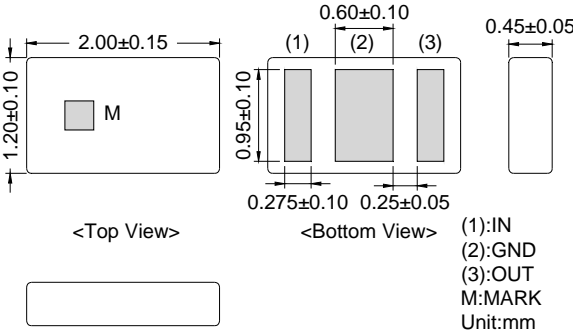
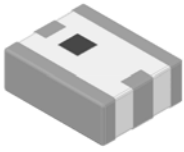
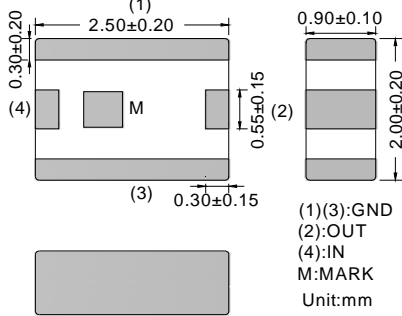

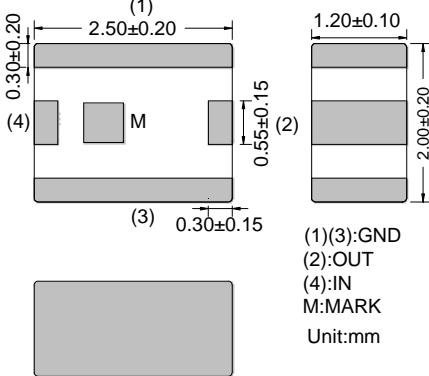
SHAPE AND DIMENSIONS

Type: SLFB15 Series	Dimensions (mm)
	<p>0.18±0.10</p> <p>0.25±0.10</p> <p>0.50±0.05</p> <p>1.00±0.05</p> <p>0.38±0.05</p> <p>(1)</p> <p>(2)</p> <p>(3)</p> <p>(4)</p> <p>A</p> <p><Top View></p> <p><Bottom View></p> <p><Side View></p> <p>(1)(3):GND (2):Output/Input (4):Input/Output A:Mark Unit:mm</p>

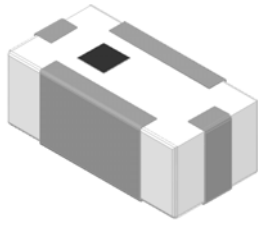
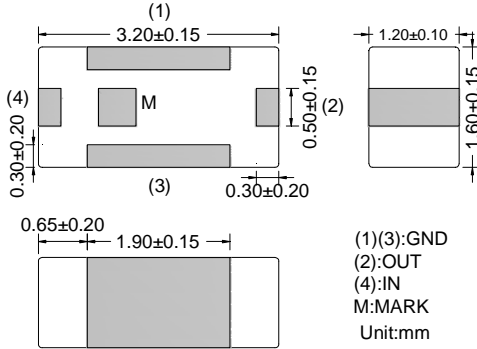
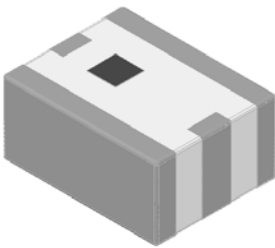
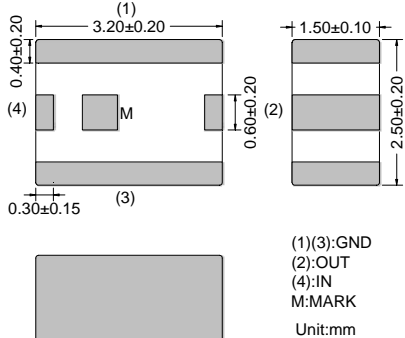
SHAPE AND DIMENSIONS

<p>Type: SLFB18 Series</p> 	<p>Dimensions (mm)</p>  <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>
<p>Type: SLFB18-2R450G-03TF</p> 	<p>Dimensions (mm)</p> <p>Top view</p>  <p>Bottom view</p>  <p>(1):IN (2):GND (3):OUT M:MARK Unit:mm</p>
<p>Type: SLFB21 Series</p> 	<p>Dimensions (mm)</p>  <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>
<p>Type: SLFB21-2R450G-02TF</p> 	<p>Dimensions (mm)</p>  <p>(1):In (2)(3)(7):NC (4)(6)(8):GND (5):Out M:MARK Unit:mm</p>

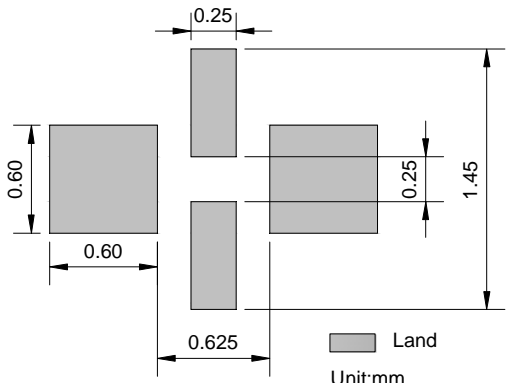
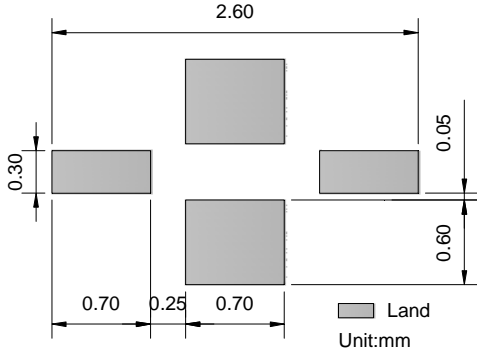
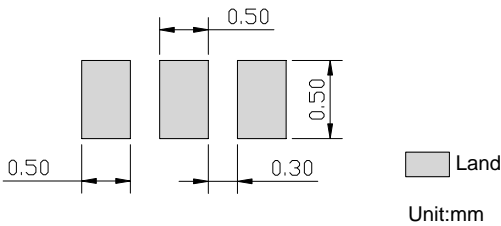
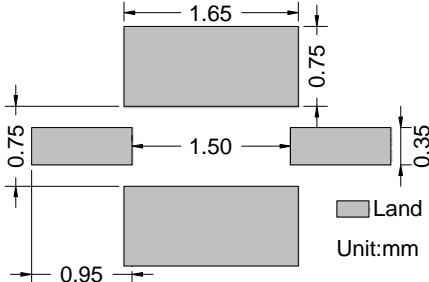
SHAPE AND DIMENSIONS

<p>Type: SLFB21-2R450G-06TF</p> 	<p>Dimensions (mm)</p>  <p><Top View></p> <p><Bottom View></p> <p>(1):IN (2):GND (3):OUT M:MARK Unit:mm</p>
<p>Type: SLFB21-2R450G-07/08TF</p> 	<p>Dimensions (mm)</p>  <p><Top View></p> <p><Bottom View></p> <p>(1):IN (2):GND (3):OUT M:MARK Unit:mm</p>
<p>Type: SLFB22 Series</p>	<p>Dimensions (mm)</p>
	 <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>
<p>Type: SLFB22-3R275G-01TF</p>	<p>Dimensions (mm)</p>
	 <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>

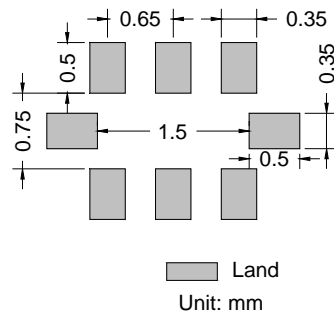
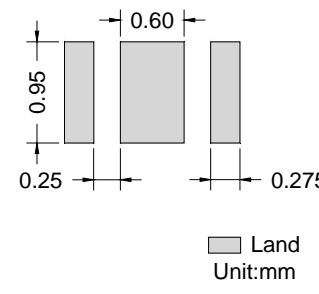
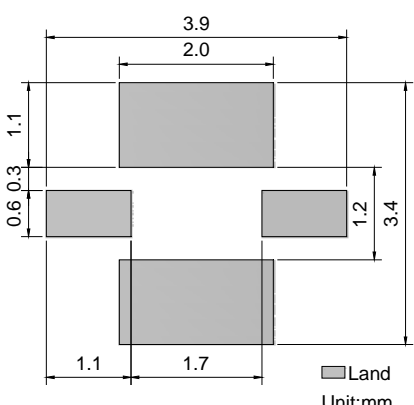
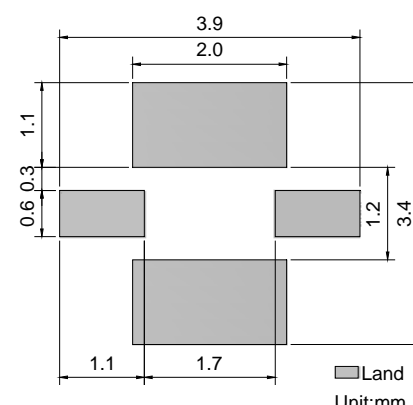
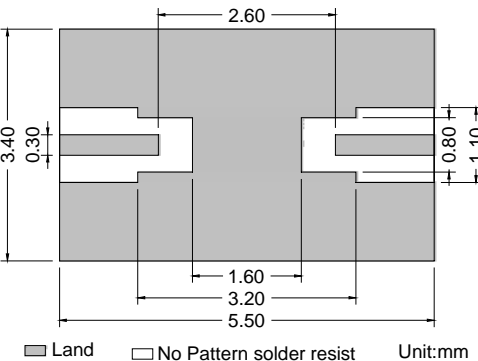
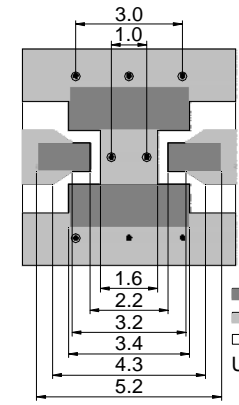
SHAPE AND DIMENSIONS

<p>Type: SLFB31-C Series</p> 	<p>Dimensions (mm)</p>  <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>
<p>Type: SLFB32-K Series</p> 	<p>Dimensions (mm)</p>  <p>(1)(3):GND (2):OUT (4):IN M:MARK Unit:mm</p>

LAND PATTERN

<p>SLFB15 Series</p>  <p>Unit:mm</p>	<p>SLFB18 Series</p>  <p>Unit:mm</p>
<p>SLFB18-2R450G-03TF</p>  <p>Unit:mm</p>	<p>SLFB21 Series</p>  <p>Unit:mm</p>

LAND PATTERN

<p style="text-align: center;">SLFB21-2R450G-02TF</p>  <p style="text-align: center;">■ Land Unit: mm</p>	<p style="text-align: center;">Type: SLFB21-2R450G-06/07/08TF</p>  <p style="text-align: center;">■ Land Unit: mm</p>
<p style="text-align: center;">SLFB22 Series</p>  <p style="text-align: center;">■ Land Unit: mm</p>	<p style="text-align: center;">Type: SLFB22-3R275G-01TF</p>  <p style="text-align: center;">■ Land Unit: mm</p>
<p style="text-align: center;">SLFB31-C Series</p>  <p style="text-align: center;">■ Land □ No Pattern solder resist Unit: mm</p>	<p style="text-align: center;">SLFB32-K Series</p>  <p style="text-align: center;">■ Land ■ Solder resist □ No Pattern solder resist Unit: mm</p>

SPECIFICATIONS

SLFB15 TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	BW	IL	-	T
SLFB15-2R450G-02TF	2450.0	$f_0 \pm 50.0$	1.4	25dB Min. at 880~960MHz	0.38±0.05
				8dB Min. at 1710~1970MHz	
				23dB Min. at 4800~5000MHz	
				32dB Min. at 7200~7500MHz	
SLFB15-2R450G-03TF	2450.0	$f_0 \pm 50.0$	2.4	25dB Min. at 880~960MHz	
				20dB Min. at 1710~1970MHz	
				23dB Min. at 4800~5000MHz	
				32dB Min. at 7200~7500MHz	

SLFB18 TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units 单位	MHz	MHz	dB	dB	mm
Symbol 符号	f_0	BW	IL	-	T
SLFB18-2R450G-02TF	2450.0	$f_0 \pm 50.0$	2.2	24dB Min. at 880~960MHz	0.60±0.10
				20dB Min. at 1710~1990MHz	
				15.5dB Min. at 4800~5000MHz	
				19.5dB Min. at 7200~7500MHz	
SLFB18-2R450G-03TF	2450.0	$f_0 \pm 50.0$	2.5	40dB Min. at 880~960MHz	
				40dB Min. at 1710~1990MHz	
				25dB Min. at 2110~2170MHz	
				30dB Min. at 4800~5000MHz	
SLFB18-2R450G-04TF	2450.0	$f_0 \pm 50.0$	2.5	40dB min. at 880~960MHz	
				40dB min. at 1710~1990MHz	
				25dB min. at 2110~2170MHz	
				30dB min. at 4800~5000MHz	
SLFB18-2R450G-05TF	2450.0	$f_0 \pm 50.0$	2.5	20dB min. at 7200~7500MHz	
				30dB min. at 880~960MHz	
				25dB min. at 1710~1990MHz	
				25dB min. at 4800~5000MHz	
SLFB18-5R525G-03TF	5525.0	$f_0 \pm 375.0$	4.0	20dB min. at 7200~7500MHz	
				30dB Min. at 4000MHz	
				35dB Min. at 4500MHz	
SLFB18-5R500G-01TF	5512.5	$f_0 \pm 362.5$	1.5	35dB Min. at 4600MHz	
				30dB min. at 800~3800MHz	
				15dB min. at 10000~12000MHz	

SPECIFICATIONS

SLFB21 TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	BW	IL	-	T
SLFB21-2R450G-01TF	2450.0	$f_0 \pm 50.0$	2.6	40dB Min. at 880~960MHz	0.95±0.10
				38dB Min. at 1710~1990MHz	
				16dB Min. at 2110~2170MHz	
				30dB Min. at 4800~5000MHz	
SLFB21-2R450G-02TF	2450.0	$f_0 \pm 50.0$	1.5	35dB min. at 880~960MHz	
				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	
				20dB Min. at 1850MHz	
				30dB Min. at 4800MHz	
SLFB21-2R450G-04TF	2450.0	$f_0 \pm 50.0$	1.2	15dB Min. at 1600MHz	
				20dB Min. at 3200MHz	
SLFB21-2R450G-05TF	2450.0	$f_0 \pm 50.0$	2.8	40dB Min. at 4800~5000MHz	
				20dB Min. at 700~800MHz	
				25dB Min. at 1710~1880MHz	
				35dB Min. at 3200MHz	
				20dB Min. at 4800~5000MHz	
SLFB21-2R450G-06TF	2450.0	$f_0 \pm 50.0$	1.8	20dB Min. at 7200~7500MHz	
				30dB Min. at 824~915MHz	
				28dB Min. at 1545~1605MHz	
				35dB Min. at 1710~1990MHz	
				30dB Min. at 2170MHz	
SLFB21-2R450G-07TF	2450.0	$f_0 \pm 50.0$	2.7	30dB Min. at 4800~5000MHz	
				25dB min. at 7200~7500MHz	
				30dB Min. at 746~960MHz	
				28dB Min. at 1570~1580MHz	
				35dB Min. at 1710~1990MHz	
				30dB Min. at 2110~2170MHz	
SLFB21-2R450G-08TF	2450.0	$f_0 \pm 50.0$	1.5	15dB Min. at 3300~3800MHz	
				20dB Min. at 4800~5000MHz	
				20dB Min. at 7200~7500MHz	
				25dB Min. at 880~960MHz	
SLFB21-2R495G-01TF	2495.0	$f_0 \pm 195.0$	2.4	9dB Min. at 1710~1990MHz	
				30dB min. at 4600~5380MHz	
				30dB min. at 6900~8070MHz	
				30dB min. at 824~960MHz	
SLFB21-3R600G-01TF	3600.0	$f_0 \pm 300.0$	1.5	24dB Min. at 1710~1990MHz	
				21dB Min. at 1990~2170MHz	
				28.5dB Min. at 6900~8070MHz	
SLFB21-5R387G-01TF	5387.5	$f_0 \pm 487.5$	1.5	30dB Min. at 3500MHz	0.95±0.10
SLFB21-5R787G-01TF	5787.5	$f_0 \pm 62.5$	2.2	30dB Min. at 3500MHz	
				35dB Min. at 3275~3400MHz	
				37dB Min. at 2x($f_0 \pm 62.5$) MHz	
				25dB Min. at 3x($f_0 \pm 62.5$) MHz	

SPECIFICATIONS

SLFB22 TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	BW	IL	-	T
SLFB22-2R450G-01TF	2450.0	$f_0 \pm 50.0$	1.2	30 dB Min. at 880~915 MHz	0.90±0.10
				30 dB Min. at 1710~1785 MHz	
				25 dB Min. at 1850~1910 MHz	
				25 dB Min. at 4800~5000MHz	
SLFB22-3R275G-01TF	3275.0	$f_0 \pm 225.0$	1.5	15 dB Min. at 7200~7500MHz	1.20±0.10
				25dB Min. at 1000~2300MHz	
SLFB22-2R450G-A1TF	2450.0	$f_0 \pm 50.0$	1.7	25dB Min. at 4380~8000MHz	0.90±0.10
				25dB Min. at 1750MHz	
				6dB min. at 2100MHz	
				22dB Min. at 4800~5000MHz	
SLFB22-1R917G-A4TF	1917.0	$f_0 \pm 5.0$	1.9	20dB Min. at 7200~7500MHz	0.90±0.10
				50dB Min. at 956~961MHz	
				24dB Min. at 2868~2883MHz	
				29dB Min. at 3824~3844MHz	
SLFB22-5R787G-B1TF	5787.5	$f_0 \pm 62.5$	2.5	33dB Min. at 4780~4805MHz	0.90±0.10
				32dB Min. at 5736~5766MHz	
				51.5dB Min. at 902~928MHz	
				47dB Min. at 1908~1950MHz	
				41dB Min. at 3816~3900MHz	
				38dB Min. at 4821~4947MHz	
18dB Min. at 6628~6753MHz					
				19dB Min. at 9642~9893MHz	
				9dB Min. at 11450~11700MHz	

SLFB31-C TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	BW	IL	-	T
SLFB31-2R450G-C5TF	2450.0	$f_0 \pm 50.0$	2.5	40dB Min. at 900~928MHz	1.20±0.10
				30dB Min. at 1200~1800MHz	
				25dB Min. at 2100MHz	
				35dB Min. at 4800~5000MHz	
				40dB Min. at 7200~7500MHz	

SLFB32-K TYPE

Part Number	Center Frequency	Bandwidth	Max. IL in BW (@ 25°C)	Attenuation	Thickness
Units	MHz	MHz	dB	dB	mm
Symbol	f_0	BW	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	