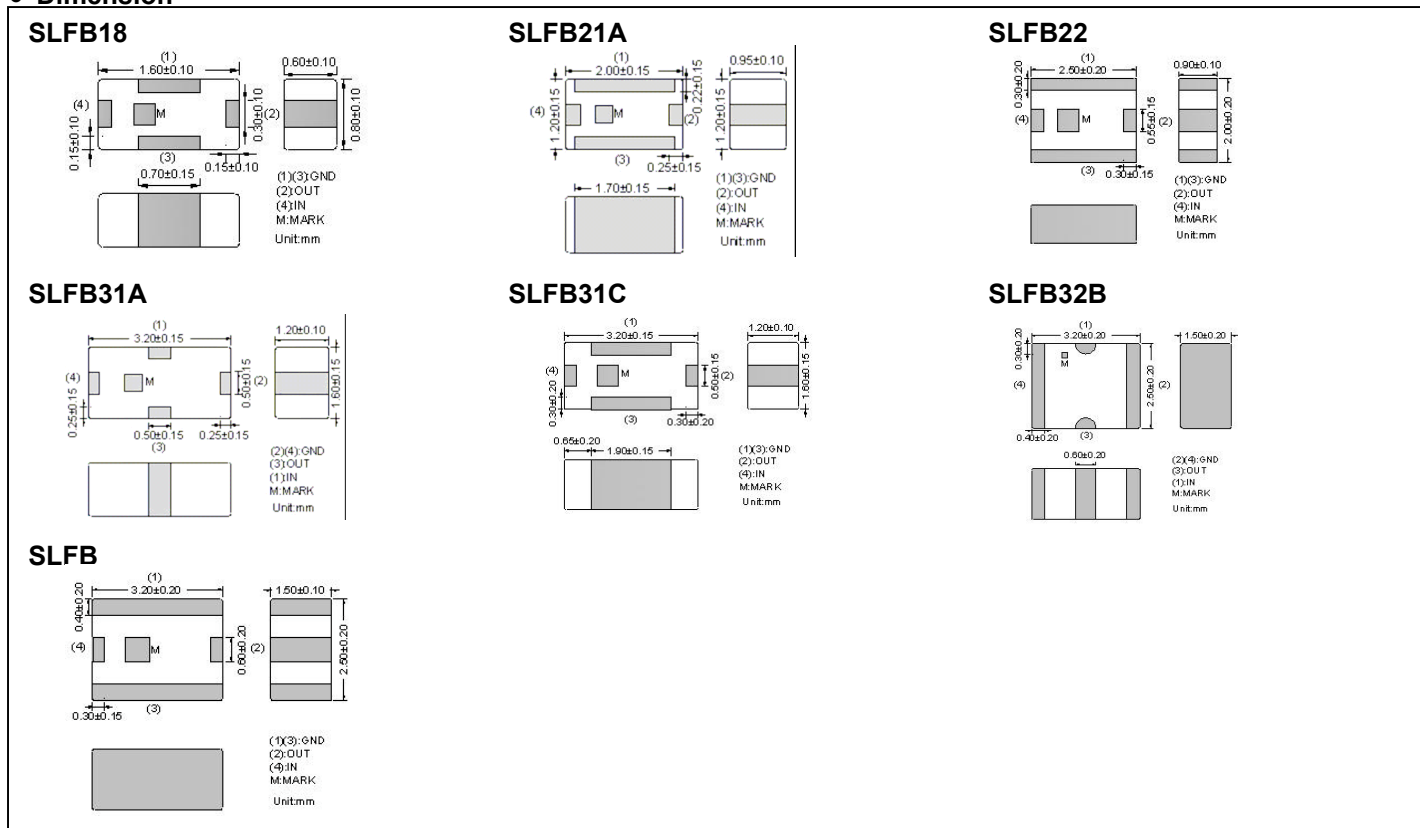




Multilayer Chip LC Filter (Band Pass, SLFB Series)

• Dimension



• Features

- Low insertion loss and high attenuation
- Internal shielding
- Excellent solderability
- Operating temperature:
SLFB Series: -40°C to +85°C

• Applications

- Telecom equipment
- Bluetooth®, WLAN
- Consumer electronics i.e. DVD players

• Part Number Identification

SLFB **32** **-0R820G** **-F1** **T** **F**
 (1) (2) (3) (4) (5) (6)

(1)

Product ID	
SLFB	Bandpass LC filter

(2)

Dimensions (L x W, mm)	
32 [1210]	3.2 x 2.5
31 [1206]	3.2 x 1.6
22 [1008]	2.5 x 2.0
21 [0805]	2.0 x 1.2
18 [0603]	1.6 x 0.8

(3)

Center Frequency	
Example	Nominal Value
0R820G	820.0MHz
1R917G	1917.0MHz

(4)

Series

(5)

Packing Type	
B	Bulk packing
T	Tape & reel packing

(6)

Hazardous Substance Free Products



● SLFB18 Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB18-2R450G-02	2450.0	f ₀ ±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	

- For other specifications, please consult with our sales representatives for details.

● SLFB21A Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB21-2R450G-03	2450.0	f ₀ ±50.0	1.7	30.0dB Min. at 900MHz	0.95±0.10
				20.0dB Min. at 1850MHz	
				30.0dB Min. at 4800MHz	
SLFB21-2R450G-A2	2450.0	f ₀ ±50.0	2.6	40dB Min. at 880~960MHz	
				38dB Min. at 1710~1990MHz	
				16dB Min. at 2100~2170MHz	
SLFB21-5R125G-A3	5125.0	f ₀ ±225.0	1.5	25dB Min. at 4200MHz	
				17dB Min. at 2x(f ₀ ±225)MHz	
SLFB21-5R125G-A4	5125.0	f ₀ ±225.0	1.5	10dB Min. at 4250MHz	
				10dB Min. at 5900MHz	
SLFB21-5R250G-A5	5250.0	f ₀ ±100.0	1.5	25dB Min. at 9800~11700MHz	
				30dB Min. at 3450MHz	
SLFB21-5R375G-A6	5375.0	f ₀ ±475.0	1.8	29.5dB Min. at 500~4000MHz	
				34.5dB Min. at 3450MHz	
				19.5dB Min. at 4200MHz	
				14.5dB Min. at 9800~11700MHz	
SLFB21-5R375G-A7	5375.0	f ₀ ±475.0	2.2	40dB Min. at 340~1195MHz	
				21dB Min. at 2140~3580MHz	
				25dB Min. at 6855~7150MHz	
				20dB Min. at 8570~8930MHz	
SLFB21-5R800G-08	5800.0	f ₀ ±65.0	1.0	36dB Min. at 2000MHz	
				33dB Min. at 3000MHz	
				21dB Min. at 8500MHz	
SLFB21-3R822G-A9	3822.0	f ₀ ±3.0	1.5	32dB Min. at 1912~1922MHz	
				32dB Min. at 5736~5766MHz	
				32dB Min. at 7638~7688MHz	
				32dB Min. at 9560~9160MHz	
SLFB21-5R743G-A10	5743.0	f ₀ ±4.0	1.3	38dB Min. at 1912~1922MHz	
				25dB Min. at 3819~3844MHz	
				27dB Min. at 7638~7688MHz	
				27dB Min. at 9560~9160MHz	

- For other specifications, please consult with our sales representatives for details.



● SLFB22 Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB22-2R450G-A1	2450.0	f ₀ ±50.0	1.7	25dB Min. at 1750MHz	0.90±0.10
				11dB Min. at 2100MHz	
				22dB Min. at 4800~5000MHz	
				20dB Min. at 7200~7500MHz	
SLFB22-2R450G-A2	2450.0	f ₀ ±50.0	1.8	30dB Min. at 880~915MHz	
				30dB Min. at 1710~1785MHz	
				25dB Min. at 1850~1910MHz	
				25dB Min. at 4800~5000MHz	
SLFB22-1R917G-A4	1917.0	f ₀ ±5.0	1.9	50dB Min. at 956.0~961.0MHz	0.90±0.10
				24dB Min. at 2868.0~2883.0MHz	
				29dB Min. at 3824.0~3844.0MHz	
				32dB Min. at 5736.0~5766.0MHz	
SLFB22-5R787G-B1	5787.5	f ₀ ±62.0	2.5	51.5dB Min. at 902.0~928.0MHz	
				47dB Min. at 1908.0~1950.0MHz	
				41dB Min. at 3816.0~3900.0MHz	
				38dB Min. at 4821.0~4947.0MHz	
				18dB Min. at 6628.0~6753.0MHz	
				19dB Min. at 9642.0~9893.0MHz	
SLFB22-2R400G-C1	2400.0	f ₀ ±100.0	2.5	23dB Min. at 2756.0~2956.0MHz	1.50±0.10
				15dB Min. at 1844.0~2044.0MHz	
				30dB Min. at 4600.0~4800.0MHz	
SLFB22-2R597G-C2	2597.5	f ₀ ±102.5	2.5	23dB Min. at 2951.0~3156.0MHz	1.50±0.10
				12dB Min. at 2039.0~2244.0MHz	
				30dB Min. at 4990.0~5400.0MHz	
SLFB22-3R430G-C3	3430.0	f ₀ ±130.0	2.5	28dB Min. at 2844.0~3104.0MHz	0.90±0.10
				9dB Min. at 3756.0~4016.0MHz	
				10dB Min. at 6600.0~7120.0MHz	
SLFB22-3R670G-C4	3670.0	f ₀ ±130.0	2.5	24dB Min. at 3084.0~3344.0Hz	
				8.6dB Min. at 3996.0~4256.0MHz	
				10dB Min. at 7080.0~7600.0MHz	
SLFB22-3R275G-01	3275.0	f ₀ ±225.0	1.5	25.0dB Min. at 1000~2300MHz	1.20±0.10
				25dB Min. at 4380~8000MHz	

- For other specifications, please consult with our sales representatives for details.



● SLFB31A Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB31-1R402G-A1	1402.5	f ₀ ±77.5	3.0	20dB Min. at 1005~1080MHz 20dB Min. at 1725~1760MHz	1.20±0.10
SLFB31-1R890G-A2	1890.0	f ₀ ±10.0	0.85	29dB Min. at 1416.9~1436.9MHz 22dB Min. at 900MHz 22dB Min. at 100MHz	
SLFB31-1G906G-A3	1906.5	f ₀ ±24.5 /-13.5	2.5	40dB Min. at 1397.0~1422.8MHz 35dB Min. at 1645.5~1671.3MHz	
SLFB31-1G906G-A4	1906.5	f ₀ ±13.5	2.7	35dB Min. at 1660~1687MHz 15dB Min. at 2126~2153MHz 40dB Min. at 1427~1454MHz	
SLFB31-1R906G-A5	1906.5	f ₀ ±13.5	1.0	12dB Min. at 1649~1680MHz 24dB Min. at 3786~3840MHz 38dB Min. at 1405~1440MHz 24dB Min. at 5679~5760MHz	
SLFB31-2R450G-A6	2450.0	f ₀ ±50.0	2.0	15dB Min. at 2100~2200MHz 38dB Min. at 4800~5000MHz	
SLFB31-2G450G-A7	2450.0	f ₀ ±50.0	1.4	6dB Min. at 2150~2200MHz 20dB Min. at 4800~5000MHz 20dB Min. at 902~928MHz 35dB Min. at 1500~1550MHz	

- For other specifications, please consult with our sales representatives for details.

● SLFB31C Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB31-1R489G-C1	1489.0	f ₀ ±12.0	1.5	25dB Min. at (f ₀ ±12.0)+260MHz 28dB Min. at 1749 MHz 12dB Min. at (2xf ₀) MHz 12dB Min. at (3xf ₀) MHz	1.20±0.10
SLFB31-1R950G-C2	1950.0	f ₀ ±30.0	3.5	20dB Min. at 2110~2170MHz 25dB Min. at 2490~2550MHz 35dB Min. at 3060~3120MHz	
SLFB31-2R450G-C3	2450.0	f ₀ ±50.0	2.5	20dB Min. at 2100~2200MHz 35dB Min. at 4800~5000MHz 37dB Min. at 902~928MHz 18dB Min. at 7200~7500MHz	
SLFB31-5R800G-C4	5800.0	f ₀ ±50.0	2.0	35dB Min. at 2000MHz 30dB Min. at 3000MHz 25dB Min. at 8500~9000MHz	
SLFB31-2R450G-C5	2450.0	f ₀ ±50.0	2.5	40dB Min. at 900~928MHz 30dB Min. at 1200~1800MHz 25dB Min. at 2100MHz 35dB Min. at 4800~5006MHz 40dB Min. at 7200~7500MHz	

- For other specifications, please consult with our sales representatives for details.



● SLFB32B Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB32-1R472G-B1	1472.0	f ₀ ±20.0	1.3	30dB Min. at 1172MHz	1.50±0.20
SLFB32-1R662G-B2	1662.0	f ₀ ±12.5	2.0	27dB Min. at 1895-1918 MHz	
				20dB Min. at (2xf ₀) MHz	
				20dB Min. at (3xf ₀) MHz	
SLFB32-1R890G-B3	1890.0	f ₀ ±10.0	1.2	21dB Min. at 1655-1675MHz	
				15dB Min. at (2xf ₀) MHz	
				20dB Min. at (3xf ₀) MHz	
SLFB32-1R907G-B4	1907.5	f ₀ ±12.5	1.0	20dB Min. at 1646~1680MHz	
				35dB Min. at 1397.5~1440MHz	
				15dB Min. at (2xf ₀) MHz	
				20dB Min. at (3xf ₀) MHz	

- For other specifications, please consult with our sales representatives for details.

● SLFB31F Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB32-0R820G-F1	820.0	f ₀ ±10.0	1.3	22dB Min. at 1070~1090MHz	1.50±0.15
SLFB32-0R847G-F2	847.5	f ₀ ±37.5	1.5	16dB Min. at 550-625 MHz	
				15dB Min. at 1070-1145MHz	
				24dB Min. at 587.5 MHz	
				22dB Min. at 1107.5 MHz	
SLFB32-0R881G-F3	881.5	f ₀ ±12.5	3.2	20dB Min. at (f ₀ ±77.5)MHz	
SLFB32-0R902G-F4	902.5	f ₀ ±12.5	3.0	15dB Min. at 805-827 MHz	
				15dB Min. at 978-1003MHz	
SLFB32-0R906G-F5	906.0	f ₀ ±19.0	3.5	20dB Min. at (f ₀ -90.0)MHz	
				18dB Min. at (f ₀ +90.0)MHz	
SLFB32-0R947G-F6	947.0	f ₀ ±12.5	3.0	9dB Min. at D.C-835 MHz	
				6dB Min. at 1000-1394 MHz	
				11dB Min. at 1394-1805 MHz	
				14dB Min. at 1805-1880 MHz	
SLFB32-0R991G-F7	991.15	f ₀ ±12.5	3.0	20dB Min. at 869~894MHz	
				20dB Min. at 1088.3~1113.3MHz	
SLFB32-1R441G-F8	1441.0	f ₀ ±12.0	3.0	25dB Min. at 1607~1631MHz	
SLFB32-1R619G-F9	1619.0	f ₀ ±12.0	2.8	16dB Min. at 1429~1453MHz	
				14dB Min. at 1785-1809 MHz	
				20dB Min. at 1477-1501 MHz	
				14dB Min. at 3214-3262 MHz	

- For other specifications, please consult with our sales representatives for details.



● SLFB32K Series

Part Number	Center Frequency	Bandwidth	Insertion Loss in Bandwidth (max. at 25°C)	Attenuation	Thickness
Unit	MHz	MHz	dB	dB	mm
Symbol	f ₀	BW	IL	-	T
SLFB32-1R747G-K1	1747.5	f ₀ ±37.5	2.5	30dB Min. at 1350~1425MHz	1.50±0.10
				25dB Min. at 2300~2500MHz	
				20dB Min. at D.C~1350MHz	
SLFB32-1R842G-K2	1842.5	f ₀ ±37.5	2.5	40dB Min. at 1450-1480 MHz	
				31dB Min. at 2410-4000MHz	
				48dB Min. at 500~1450 MHz	
SLFB32-1R902G-K3	1907.5	f ₀ ±12.5	2.5	40dB Min. at 1406.5~1440 MHz	
				35dB Min. at 1655~1680MHz	
SLFB32-2R906G-K4	2450.0	f ₀ ±50.0	2.5	16dB Min. at 2200MHz	
				9.5dB Min. at 2700MHz	
				40dB Min. at 1950MHz	
				24dB Min. at (2900,2xfoMHz)	
SLFB32-2R450G-K5	2450.0	f ₀ ±50.0	1.8	48dB Min. at 902~928 MHz	
				50dB Min. at 1500~1550MHz	
				12dB Min. at 2150~2200 MHz	
				30B Min. at 4800~-5000 MHz	
SLFB32-2R450G-K6	2450.0	f ₀ ±50.0	2.5	40dB Min. at 1500~1550MHz	
				45dB Min. at 1800~1900MHz	
				30dB Min. at 2100MHz	
				15dB Min. at 22003MHz	
SLFB32-2R450GK7	2450.0	f ₀ ±50.0	2.3	30dB Min. at 4800~50003MHz	
				40dB Min. at 1200~1800MHz	
				30dB Min. at 2100MHz	
				12dB Min. at 2100MHz	
				30dB Min. at 2200MHz	
				35dB Min. at 4800~5000 MHz	

- For other specifications, please consult with our sales representatives for details.