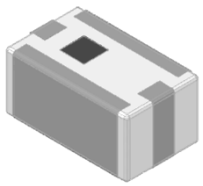
Multilayer Chip LC Band Pass Filter – SLFB Series



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

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, Wi-Fi etc.
- Base station application

PRODUCT IDENTIFICATION

SLFB ① **18** ② **-2R450G** ③ **-07** ④ **T** ⑤ **F** ⑥

①

Type	
SLFB	Bandpass LC Filter

②

External Dimensions (L×W) (MM)	
15 [0402]	1.0×0.5
18 [0603]	1.6×0.8
19 [0403]	1.1×0.9
21 [0805]	2.0×1.2
22 [1008]	2.5×2.0
32 [1210]	3.2×2.5

③

Center Frequency	
Example	Nominal Value
1R917G	1910MHz
2R450G	2450MHz
5R550G	5550MHz

④

Series Code
07 etc.

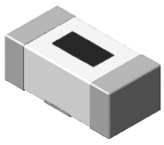
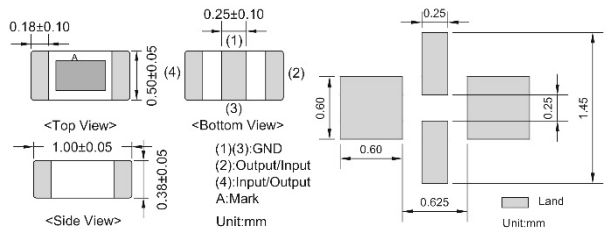
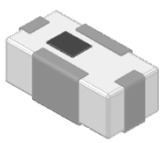
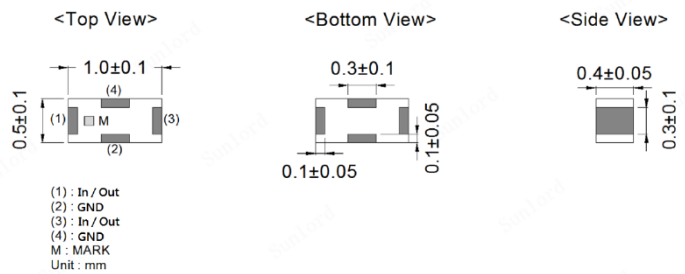
⑤

Packing	
T	Tape & Reel

⑥

Hazardous Substance Free Products
F

SHAPE AND DIMENSIONS

SLFB15-2R450G-02TF	Dimensions and Land Patterns
	
SLFB15-2R450G-31TF	Dimensions and Land Patterns
	

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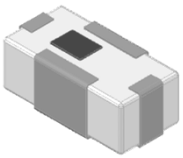
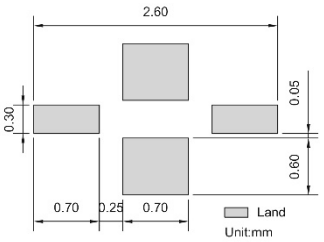
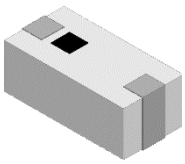
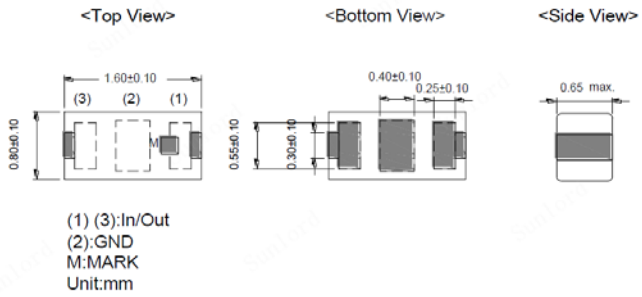
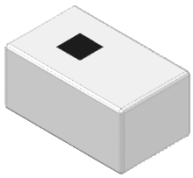
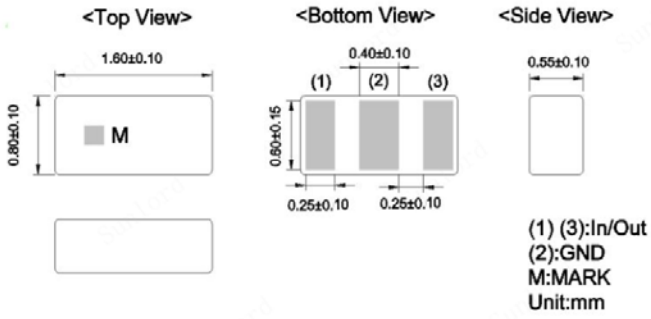
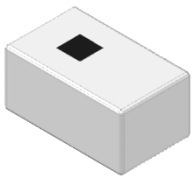
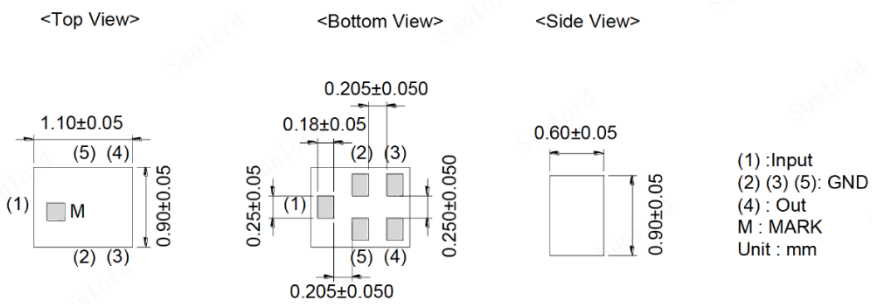
SHAPE AND DIMENSIONS

Type: SLFB18 Series	Dimensions and Land Patterns
	
SLFB18-2R450G-31/36TF/ SLFB18-3R800G-01/03TF/ SLFB18-4R700G-03TF	Dimensions and Land Patterns
	
SLFB18-5R500G-33/34/38/39TF/ SLFB18-5R900G-01TF	Dimensions and Land Patterns
	
SLFB19-2R450G-03TF	Dimensions and Land Patterns
	

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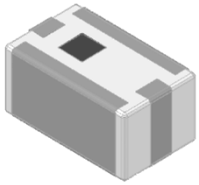
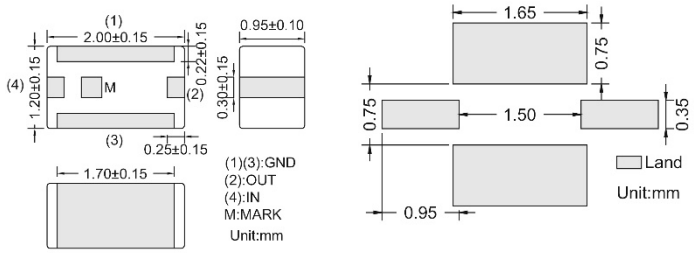
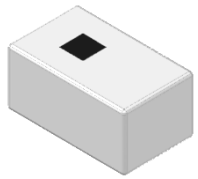
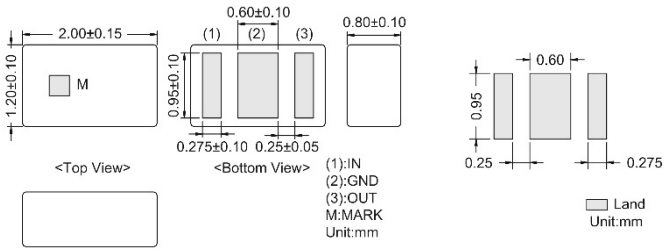
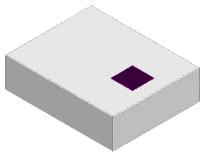
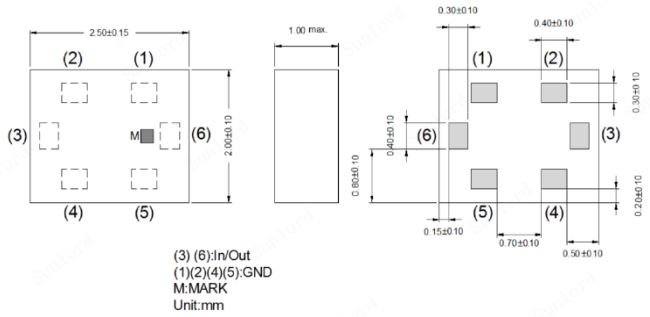
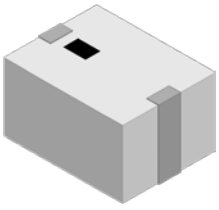
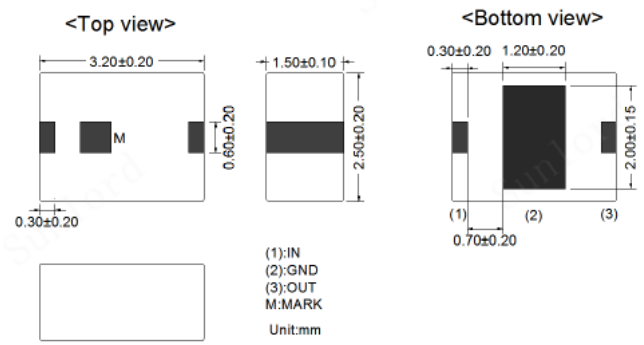
SHAPE AND DIMENSIONS

Type: SLFB21 Series	Dimensions and Land Patterns
	
SLFB21-3R600G-41TF/ SLFB21-3R800G-17TF/ SLFB21-4R700G-19TF/ SLFB21-4R900G-31TF	Dimensions and Land Patterns
	
Type: SLFB22 Series	Dimensions and Land Patterns
	
Type: SLFB32 Series	Dimensions and Land Patterns
	

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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	f_0±50.0	1.4	25 dB Min. at 880~960MHz	0.38±0.05
				8.0 dB Min. at 1710~1970MHz	
				23 dB Min. at 4800~5000MHz	
				32dB Min. at 7200~7500MHz	
SLFB15-2R450G-31TF	2450	f_0±50.0	1.3	9 dB Min. at DC~915 MHz	
				34 dB Min. at 4800~5000 MHz	
				27 dB Min. at 7200~7500 MHz	

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	1805~2025	1.65	30 dB at 700~950MHz	0.80±0.10
				15 dB at 950~1050MHz	
				25 dB at 2400~2500MHz	
				35 dB at 2700~5400MHz	
				20 dB at 5500~12500MHz	
SLFB18-2R450G-07TF	2450	2400~2500	1.8	30 dB Min. at 800~960MHz	
				30 dB Min. at 1710~1990MHz	
				30 dB Min. at 4800~5000MHz	
				30 dB Min. at 7200~7500MHz	
SLFB18-2R450G-31TF	2450	f_0±50.0	0.95	20 dB at 500~960 MHz	
				23 dB at 3200~3312 MHz	
				30 dB at 4800~5000 MHz	
				32 dB at 7200~7500 MHz	
SLFB18-2R450G-32TF	2495	2300~2690	2.0	12 dB Min. at 500~1800 MHz	
				25 dB Min. at 3600~4000 MHz	
SLFB18-2R450G-36TF	2450	2400~2500	0.95	20 dB at 500~960 MHz	
				23 dB at 3200~3312 MHz	
				30 dB at 4800~5000 MHz	
				32 dB at 7200~7500 MHz	
SLFB18-3R800G-01TF	3800	3300~4200	1.5	30 dB Min. at DC~693 MHz	
				30 dB Min. at 693~2300 MHz	
				30 dB Min. at 2300~2690 MHz	
				18 dB Min. at 5150~5470 MHz	
				25 dB Min. at 5470~5925 MHz	
				25 dB Min. at 6600~8400 MHz	
				25 dB Min. at 9900~12600 MHz	
SLFB18-3R800G-03TF	3800	3300~4200	1.9	38 dB Min. at DC~693 MHz	
				38 dB Min. at 693~2300 MHz	
				36 dB Min. at 2300~2690 MHz	
				20 dB Min. at 5150~5470 MHz	
				25 dB Min. at 5470~5925 MHz	
				25 dB Min. at 6600~8400 MHz	
				25 dB Min. at 9900~12600 MHz	

Sunlord Industrial Park, Dafuyuan Industrial Zone, Guar 2333 **Fax**: 0086-755-82269029 **E-Mail**: sunlord@sunlordinc.com
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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
SLFB18-4R700G-03TF	4700	4400~5000	1.5	38 dB Min. at DC~693 MHz 38 dB Min. at 693~2690 MHz 12 dB Min. at 5470~5735 MHz 18 dB Min. at 5735~5925 MHz 27 dB Min. at 8800~10000 MHz 25 dB Min. at 13200~15000 MHz	0.55±0.10
SLFB18-5R500G-01TF	5512.5	f_0±362.5	1.5	30 dB Min. at 800~3800MHz 15 dB Min. at 10000~12000MHz	
SLFB18-5R500G-31TF	5512.5	f_0±362.5	1.5	33 dB at 100~2170 MHz 29 dB at 2170~2500 MHz 15 dB at 6900~7000 MHz 16 dB at 7000~7200 MHz 16 dB at 7200~7800 MHz 32 dB at 9800~12000 MHz	
SLFB18-5R500G-33TF	5500	5150~5925	1.5	35 dB at 700~2690 MHz 28 dB at 3300~4200 MHz 3.5 dB at 4400~4600 MHz 0.5 dB at 5950~6000MHz 0.5 dB at 6000~6900MHz 15 dB at 6900~7200 MHz 20 dB at 7200~9800 MHz 20 dB at 9800~11700 MHz 35 dB at 14700~17850 MHz	
SLFB18-5R500G-34TF	5425	5000~5850	1.5	35 dB at 700~2690 MHz 10 dB at 6900~72000 MHz	
SLFB18-5R500G-36TF	5370	4900~5840	1.5	33 dB Min. at 100~2170 MHz 29 dB Min. at 2170~2500 MHz 15 dB Min. at 6900~7800 MHz 32 dB Min. at 9800~12000 MHz	0.65±0.10
SLFB18-5R500G-38TF	5550	5150~5950	0.8	35 dB at 30~2700 MHz 30 dB at 3400~3800 MHz 15 dB at 7200~7800 MHz 20 dB at 10300~11700 MHz	0.55±0.10
SLFB18-5R900G-01TF	5900	5855~5925	1.1	35 dB at 100~2700 MHz 30 dB at 2700~3600 MHz 25 dB at 3600~3800 MHz 25 dB at 3800~4000 MHz 20 dB at 4000~4400 MHz 16 dB at 7000~7400 MHz 16 dB at 7400~9750 MHz 20 dB at 9750~10300 MHz 16 dB at 10300~12750 MHz	0.70±0.10
SLFB18-5R500G-39TF	5425	4900~5950	1	35 dB at 30~2700 MHz 33 dB at 3400~3800 MHz 9 dB at 6900~7000 MHz 15 dB at 7200~7500 MHz 20 dB at 9800~11900 MHz	0.55±0.10

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SPECIFICATIONS

SLFB19 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
SLFB19-2R450G-03TF	2450	2400~2500	1	20 dB Min. at 50~960 MHz 30 dB Min. at 1560~1606 MHz 15 dB Min. at 1710~1990 MHz 10 dB Min. at 3600 MHz 35 dB Min. at 4800~5000 MHz 25 dB Min. at 7200~7500 MHz	0.60±05

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-31TF	2450	2400~2500	1.2	15 dB Min. at 1600MHz 25 dB Min. at 3200MHz 20 dB Min. at 4800~5000MHz	0.95±0.10
SLFB21-3R600G-31TF	3600	3300~3900	1.5	32 dB Min. at 824~960 MHz 24 dB Min. at 1710~1990 MHz 21 dB Min. at 1990~2170 MHz 28.5 dB Min. at 6900~8070 MHz	
SLFB21-3R600G-41TF	3600	3400~3800	1.3	37.5 dB Min. at 1~2170 MHz 27.5 dB Min. at 2170~2400 MHz 27.5 dB Min. at 2400~2500 MHz 9.5 dB Min. at 2500~2800 MHz 4.5 dB Min. at 4400~4800 MHz 25 dB Min. at 4800~4900 MHz 25 dB Min. at 4900~5337 MHz 25 dB Min. at 5337~5430 MHz 25 dB Min. at 5430~6800 MHz 34.5 dB Min. at 6800~7600 MHz 30 dB Min. at 7600~9000 MHz 25 dB Min. at 9000~11400 MHz 20 dB Min. at 11400~15200 MHz	0.70±0.10
SLFB21-3R800G-17TF	3800	3300~4200	2	36 dB at 450~2200 MHz 38 dB at 2300~2483 MHz 33 dB at 2496~2690 MHz 25 dB at 5150~5850 MHz 25 dB at 6600~8400 MHz 15 dB at 9900~12600 MHz	
SLFB21-4R700G-19TF	4700	4400~5000	1.8	37 dB at 450~2200 MHz 37 dB at 2300~2483 MHz 33 dB at 2496~2690 MHz 15 dB at 5490~5670 MHz 18 dB at 5670~5950 MHz 18 dB at 6200~8000 MHz 20 dB at 8800~10000 MHz 15 dB at 13200~15000 MHz	

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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
SLFB21-4R900G-31TF	4880	4720~5040	2	30 dB Min. at 2300~2690 MHz 10 dB Min. at 3300~3800 MHz 20 dB Min. at 5725~5850 MHz	0.80±0.10
SLFB21-5R500G-01TF	5410	f_0±510	1.5	30 dB Min. at 3500MHz 25 dB Min. at 9800~11840MHz 5 dB Min. at 14700~17760MHz	0.95±0.10

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
SLFB22-3R600G-31TF	3600	3186.4~ 4186.4	2	35 dB Min. at 500~1711 MHz 28 dB Min. 33 dB typ. at 1711.84~2711.84 MHz 28 dB Min. 33 dB typ. at 4660.96~5660.96 MHz 38 dB Min. at 5660~7610 MHz 40 dB Min. 45 dB typ. at 7610~8610 MHz 20 dB Min. at 8610~11000 MHz 15 dB Min. at 11000~14000 MHz	10±0.10
SLFB22-4R500G-31TF	4500	3823.68~ 5023.68	1.2	40 dB Min. at 500~874.56 MHz 40 dB Min. at 874.56~2074.56 40 dB Min. at 6772.8~7972.8 40 dB Min. at 7972.8~10921.92 30 dB Min. at 10921.92~15000	
SLFB22-4R950G-31TF	4950	4415~5415	1.8	40 dB Min. at 500~3350 MHz 40 dB Min. at 6480~7500 MHz 36 dB Min. at 6480~9250 MHz 25 dB Min. at 9250~11200 MHz 15 dB Min. at 11200~17200 MHz	

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
SLFB32-1R920G-31TF	1920	1680~2295	2.5	30 dB Min. @ DC~1400 MHz 30 dB Min. @ 2620~2705 MHz 35 dB Min. @ 2705~2740 MHz 35 dB Min. @ 2740~3115 MHz 30 dB Min. @ 3115~3235 MHz 30 dB Min. @ 3235~6590 MHz 30 dB Min. @ 6590~7210 MHz	20±0.10
SLFB32-2R525G-11TF	2525	2150~2900	2.5	35 dB @ 259~650MHz 28 dB @3208~3599MHz 35 dB @6157~6548MHz	

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SPECIFICATIONS

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
SLFB32-3R600G-12TF	3600	3160~4040	1.7dB Max. @3300~3900 MHz	30 dB Min.@ 824~960MHz	1.50±0.10
				24 dB Min.@1200~1990MHz	
			2dB Max. @3160~3300 MHz	36 dB Min.@2098-2598 MHz	
				23 dB Min.@4600~5000MHz	
			2 dB Max. @3900~4040 MHz	43 dB Min.@5000~5600MHz	
				30 dB Min.@6349~6749MHz	
				28 dB Min.@6900~8070MHz	
SLFB32-4R900G-31TF	4900	4700~5100	3	45 dB Min.@10~2000MHz	
				30 dB Min.@2000~3400MHz	
				30 dB Min.@3400~3800MHz	
				24 dB Min.@3800~4330MHz	
				25 dB Min.@4700~5100MHz	

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