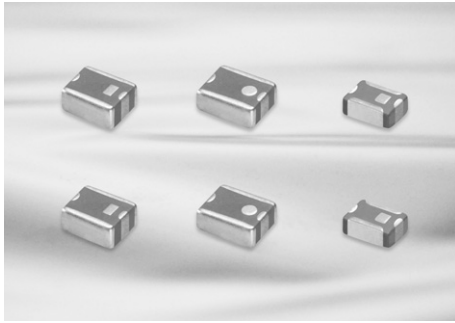


LC Filter

Band pass/Low pass filter

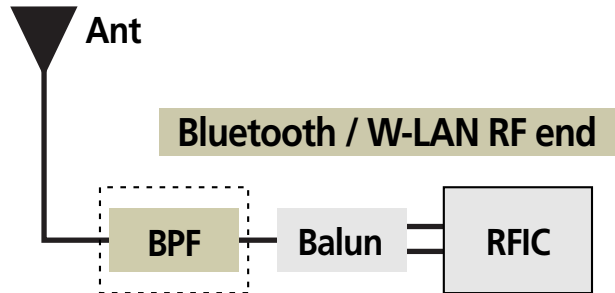


Feature

- High Attenuation, Low Insertion Loss
- Small and Thin size
- Lead free

Application

- Bluetooth Module
- W-LAN Module
- HHP-WiBro, WiMAX, DMB



Chip LC filter made by our own RF design and LTCC fabrication technology has excellent products with low loss and good attenuation characteristics

Part Numbering

LC	B	10	C	2450	K1
(1)	(2)	(3)	(4)	(5)	(6)

- (1) Chip LC Filter
- (2) B: Band Pass Filter, L : Low Pass Filter
- (3) Dimension (10 : 1.6x0.8mm, 21 : 2.0x1.25mm)
- (4) Material code (C, M, T)
- (5) Center frequency [MHz]
- (6) Serial Number

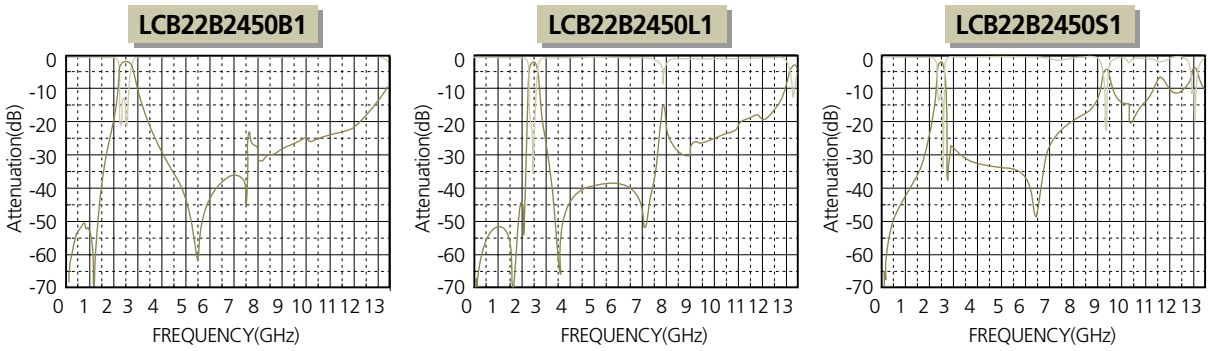
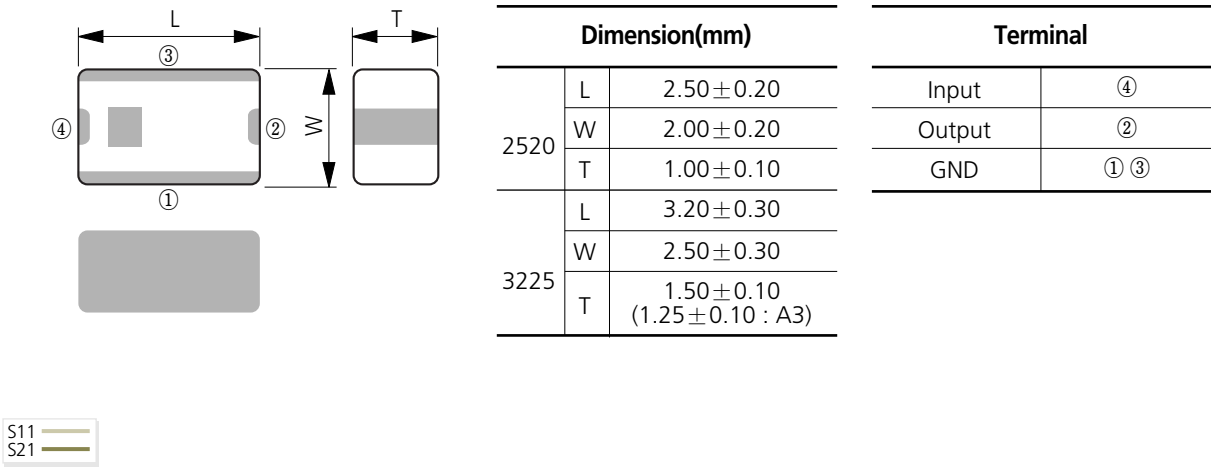
Band Pass Filter

Application	Part No.	L × W × T (mm)	Pass Band (GHz)	IL (dB) Max.	VSWR (dB) Min.	Attenuation (dB) Min. (at MHz)			
11b/g BT	LCB22M2450B1	2.5×2.0×1.0	2.4 ~2.5	1.2	2.0	50 (1200)	30 (2f ₀)		
	LCB22B2450L1	2.5×2.0×1.0	2.4 ~2.5	2.2	2.0	40 (2100)	30 (2f ₀)		
	LCB22B2450S1	2.5×2.0×1.0	2.4 ~2.5	2.5	2.0	20 (1700~1900)	20 (2700)	30 (2f ₀)	15 (3f ₀)
	LCB21B2450F2	2.0×1.25×0.75	2.4 ~2.5	2.6	2.0	40 (880~960)	30 (1710~1990)	30 (2f ₀)	
	LCB21B2450Q1	2.0×1.25×0.95	2.4 ~2.5	1.8	2.0	30 (1300)	10 (2000)	20 (3600)	35 (2f ₀)
	LCB21B2450Q3	2.0×1.25×0.75	2.4 ~2.5	1.8	2.0	30 (1300)	10 (2000)	15 (3600)	30 (2f ₀)
	LCB10B2450K3	1.6×0.8×0.6	2.4 ~2.5	2.2	2.0	25 (880~960)	16 (2f ₀)	20 (3f ₀)	
	LCB10B2450K4	1.6×0.8×0.6	2.4 ~2.5	1.8	2.0	27 (880~960)	36 (2f ₀)	36 (3f ₀)	
T-DMB	LCB22G0205A3	2.5×2.0×1.2	0.174 ~0.237	1.5	2.0	10 (100)	40 (1750~1870)		
	LCB22G0205B3	2.5×2.0×1.2	0.174 ~0.237	1.5	2.0	10 (100)	40 (824~894)		

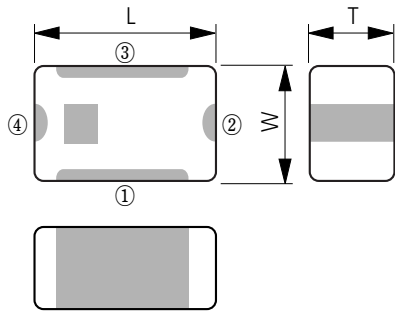
Low Pass Filter

Part No.	Application	L × W × T (mm)	Pass Band (GHz)	IL (dB) Max.	VSWR (dB) Min.	Attenuation (dB) Min. (at MHz)		
LCL10T2500A1	WiBro WiMAX	1.6×0.8×0.6	2.3 ~2.7	0.55	1.7	35 (2f ₀)	25 (3f ₀)	
LCL10T2450A1	11b/g,BT	1.6×0.8×0.6	2.4 ~2.5	0.45	1.5	35 (2f ₀)	25 (2f ₀)	

Dimensions & Frequency Characteristics Band Pass Filter

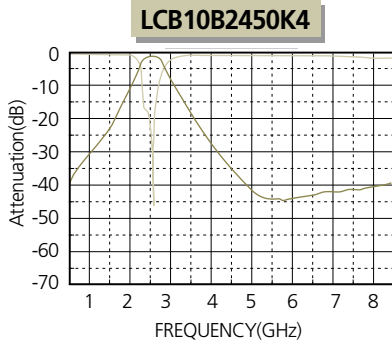
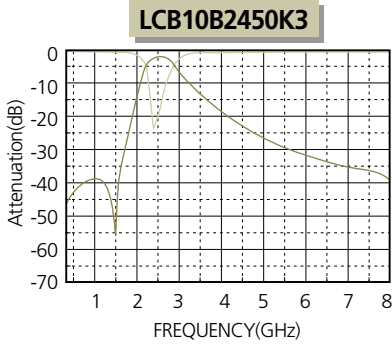
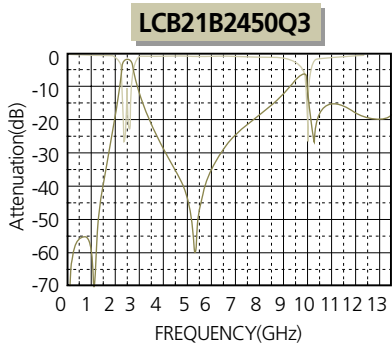
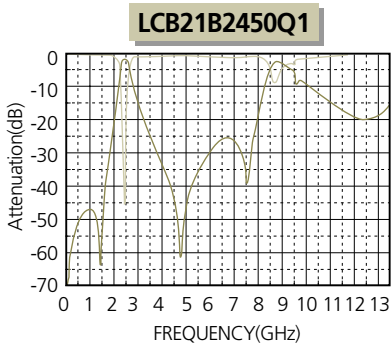


Dimensions & Frequency Characteristics Band Pass Filter

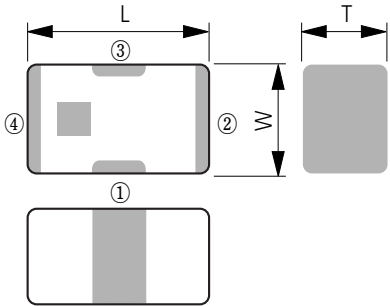


Dimension(mm)			Terminal	
1608	L	1.60+0.2/-0.1	Input	④
	W	0.80+0.2/-0.1	Output	②
	T	0.60±0.10	GND	① ③
2012	L	2.00±0.15		
	W	1.25±0.10		
	T	0.95±0.10 (0.75max : Q3, Q5)		

S11
S21



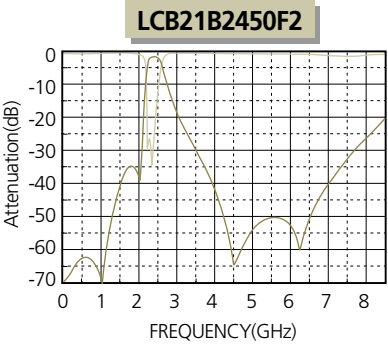
Dimensions & Frequency Characteristics Band Pass Filter



Dimension(mm)		
2012	L	2.00 ± 0.15
	W	1.25 ± 0.10
	T	0.75max

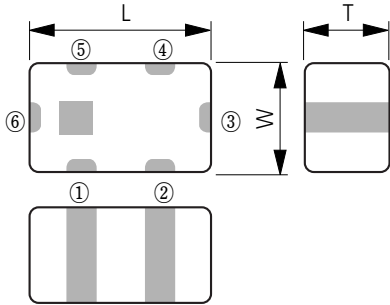
Terminal	
Input	①
Output	③
GND	② ④

S11
S21



Dimensions & Frequency Characteristics

Band Pass Filter

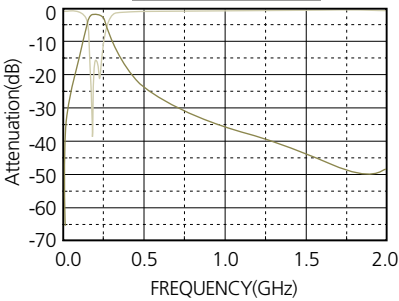


Dimension(mm)		
2520	L	2.50 ± 0.20
	W	2.00 ± 0.20
	T	1.20 ± 0.10

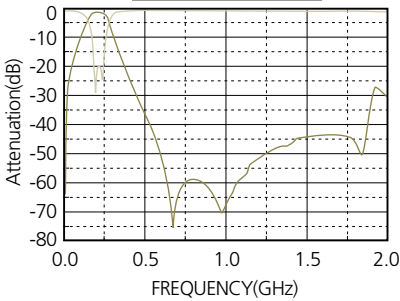
Terminal		
	A3	B3
Input	⑥	⑥
Output	③	③
GND	① ⑤	① ④
N.C	② ④	② ⑤

S11
S21

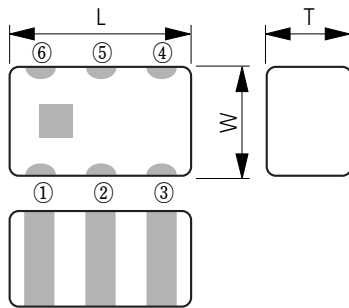
LCB22G0205A3



LCB22G0205B3



Dimensions & Frequency Characteristics Low Pass Filter



Dimension(mm)		
1608	L	1.60 ± 0.10
	W	0.80 ± 0.10
	T	0.60 ± 0.10

Terminal	
Input	②
Output	⑤
GND	① ③ ④ ⑥

S11
S21

