

LF 2012 Series

Multilayer Chip Low-Pass Filters

Features

- ❖ Monolithic structure replacing two inductors and five capacitors.

Applications

- ❖ 0.8-6GHz wireless communication systems, including DECT / PACS / PHS / GSM / DCS / PCS phones, WLAN card, Bluetooth modules, etc.



Specifications

Part Number	Frequency Range (MHz)	Insertion Loss @ BW (dB)	Attn. I @ 2 x f _o (dB)	Attn. II @ 3 x f _o (dB)	Attn. III @ 4 x f _o (dB)	VSWR @ BW	Q'ty/ Reel (pcs)
LF2012-B2R4FAA	2400~2500	0.5 max.	27 min.	25 min.	25 min	1.8 max.	4,000

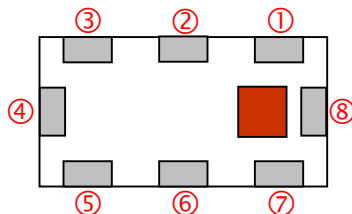
Operating Temperature Range : -40 ~ +85 °C
Storage Temperature Range : -40 ~ +85 °C
Power Capacity : 1W max.

Part Number

LF **2012** - **B** **2R4** **FAA** **□**
① ② ③ ④ ⑤ ⑥

① Type	LF : Low Pass Filter	② Dimensions (L × W)	2.0 × 1.2 mm
③ Material Code	B	④ Frequency Range	2R4=2400MHz
⑤ Specification Code	FAA	⑥ Packaging	T: Tape & Reel B: Bulk

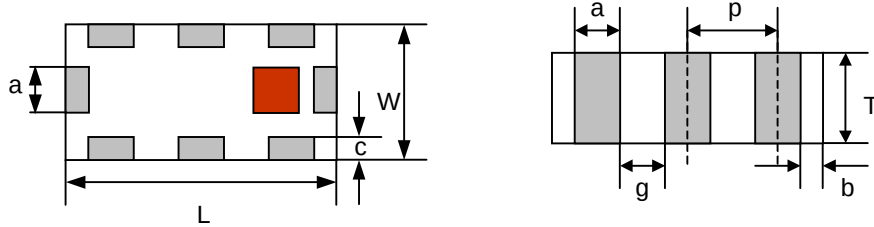
Terminal Configuration



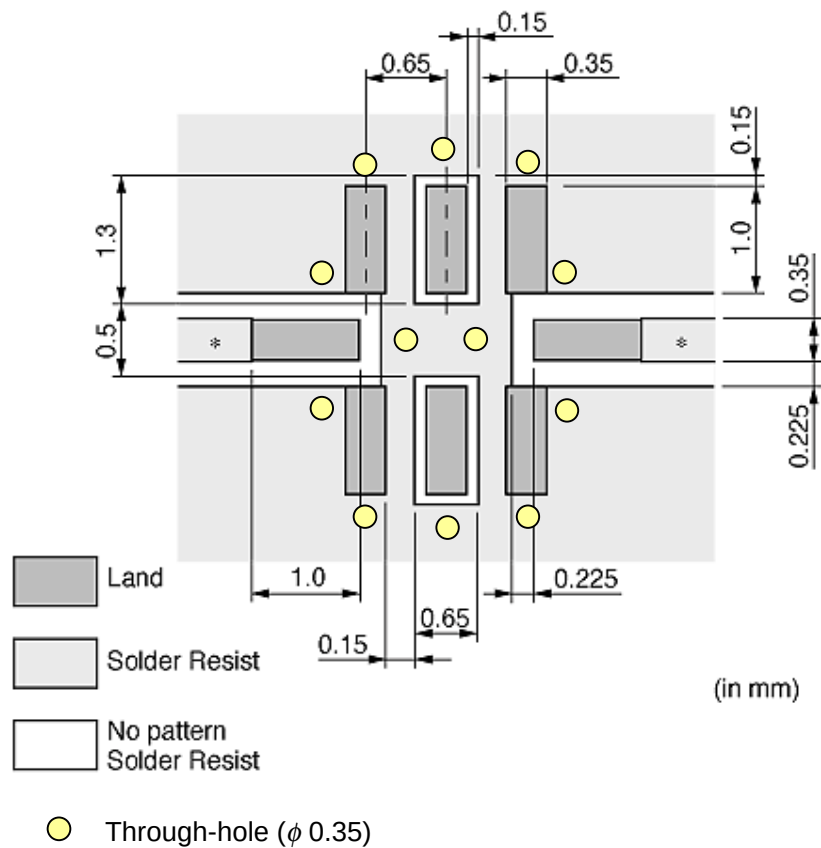
No.	Terminal Name	No.	Terminal Name
①	GND	⑤	GND
②	NC	⑥	NC
③	GND	⑦	GND
④	OUT	⑧	IN

Dimensions and Recommended PC Board Pattern

Unit : mm

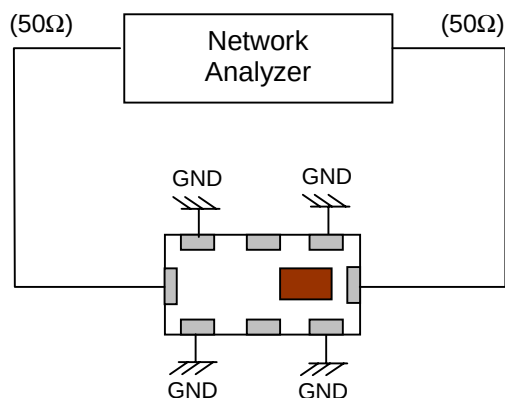


Mark	L	W	T	a	b	c	g	p
Dimensions	2.0 ± 0.1	1.25 ± 0.1	0.85 ± 0.1	0.3 ± 0.1	0.2 ± 0.1	$0.3+0.1/-0.2$	0.35 ± 0.1	0.65 ± 0.05

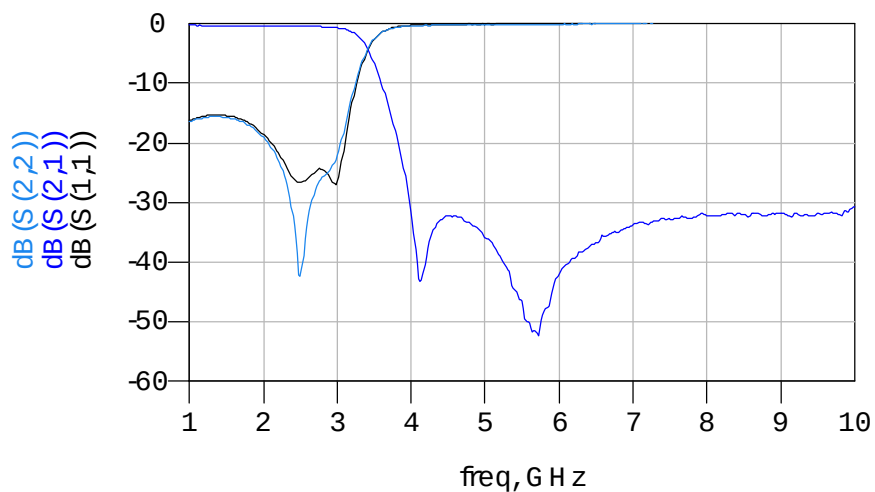


* Line width should be designed to match 50 Ω characteristic impedance, depending on PCB material and thickness.

Measuring Diagram



Typical Electrical Characteristics(T=25°C)



Notes

❖ The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order.

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