

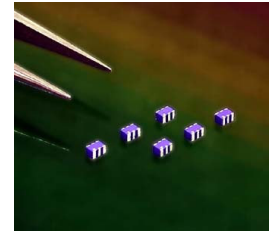
RF Product Information

Multi Layer Chip **BALUN** – 5GHz 2012 (0805)

– RFBLN2012090K0T Series

Patent Pending

For WLAN 802.11a/ HiperLAN 5GHz Application



FEATURES

1. Multilayer LTCC (Low Temperature Cofired Ceramics) Technology
2. Miniatured Size 2.00 x 1.25 x 0.95 mm³
3. Low Insertion Loss reduces power consumption
4. Low inband Amplitude and Phase imbalance enable high performance wireless system operation.
5. Suitable for 5GHz Working Frequency Operation
6. Special Balance/ Unbalance impedance is upon requested.

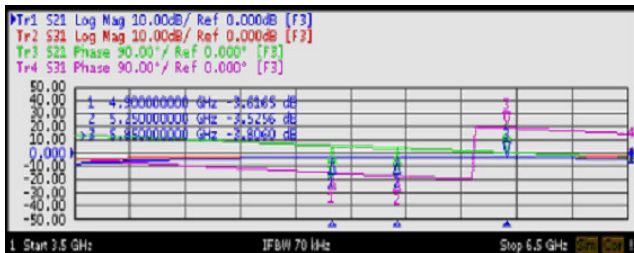
APPLICATIONS

1. IEEE 802.11a Wireless LAN Application
2. ETSI/BRAN HiperLan2 Application

ELECTRICAL CHARACTERISTICS

Spec \ Part Number	RFBLN2012090K1T	
Central Frequency	5400 ± 500 MHz	
Impedance	Unbalanced	50 Ω
	Balanced	100 Ω
Return Loss	Min. 10 dB	
Inband Amplitude imbalance	Max. 2.0 dB	
Inband Phase imbalance	Max 180 ± 10 degree	
Insertion Loss	1.1 dB	

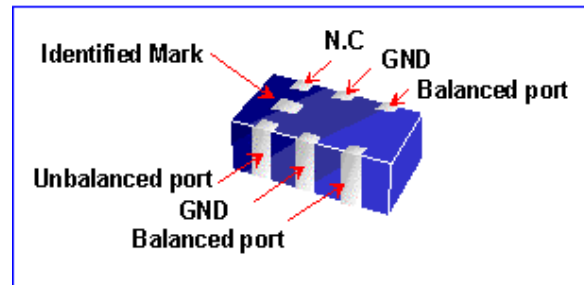
Amplitude balance & Phase balance



Start: 3.5GHz Stop: 6.5GHz

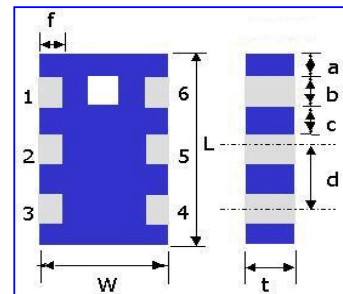
- 4.90GHz -3.6165 dB
- 5.25GHz -3.5265 dB
- 5.85GHz -3.8060 dB

CONSTRUCTION



Outline of 5GHz BALUN (2012 size)

DIMENSION



Symbol	Dimension	Terminals	Connection
L	2.00 ± 0.15 mm	1	Unbalanced port
W	1.25 ± 0.15 mm	2	Ground
T	0.95 ± 0.10 mm	3	Balanced port
a	0.20 ± 0.20 mm	4	Balanced port
b	0.30 ± 0.20 mm	5	Ground
c	0.35 ± 0.20 mm	6	Non Connection
d	0.65 ± 0.20 mm		
f	0.3 ± 0.20 mm		

CONTACT INFORMATION

For more information, please contact with **Walsin Technology Corporation.**

- Tel : 886-3-475-8711
- Fax : 886-3-475-5197
- E mail : info@passivecomponent.com
- Web Site : http://www.passivecomponent.com

Specification subject to change without prior notice.