

Description: 2012 2.4-2.5GHz Combo

PART NUMBER: BLF2012LL98R2400A

Features:

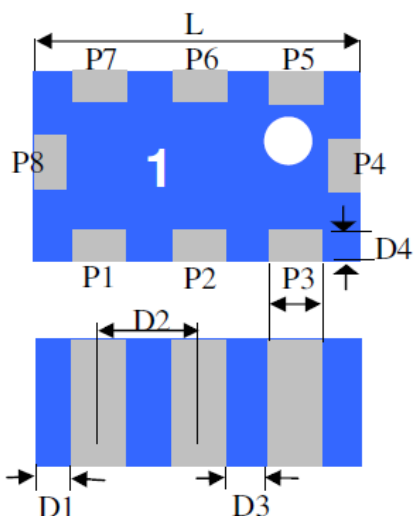
- Compact size : 2.00x1.25x0.90mm
- RoHS compliant

Applications:

- WLAN, 802.11a/b/g/n
- Bluetooth
- ISM Band

MECHANICAL DIMENSION

Outline



Termination

Terminal name	Function
P1	Balanced
P2	GND
P3	Balanced
P4	GND
P5	Unbalanced
P6	DC
P7	Not Connect
P8	GND

Mechanical

	Dimension
L (mm)	2.00±0.15
W (mm)	1.25±0.15
T (mm)	0.90±0.15
P1 (mm)	0.30±0.15
P2 (mm)	0.30±0.15
P3 (mm)	0.30±0.15
P4 (mm)	0.50±0.15
P5 (mm)	0.30±0.15
P6 (mm)	0.30±0.15
P7 (mm)	0.30±0.15
P8 (mm)	0.50±0.15
D1 (mm)	0.20±0.15
D2 (mm)	0.65±0.15
D3 (mm)	0.35±0.15
D4 (mm)	0.30±0.15

In the effort to improve our products, we reserve the right to make changes judged to be necessary.

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For more information:



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ELECTRICAL SPECIFICATIONS

DESCRIPTION	Value
Pass Band	2400~2500 MHz
Unbalanced Impedance	50Ω
Balanced Impedance	Conjugate match to CSR BC03/04 series
Unbalanced port V.S.W.R.	2.0 (Max.)
Balanced port V.S.W.R.	2.0 (Max.)
Insertion Loss	3.0 dB (Typ.) at 25°C 3.5 dB (Max) at 25°C 3.8dB (Max) at -40 ~ 85 °C
Ripple	1.0 dB (Max)
Amplitude Balance	1.0 dB (Max) at 25 °C 1.4 dB (Max) at -40 ~ 85 °C
Phase Differential	180 ± 5 degree at 25 °C 180 ± 10 degree at -40 ~ 85 °C
Attenuation	40dB(Min) @ 880~960MHz 25dB(Min) @ 1300~1600MHz 35dB(Min) @ 4800~5000MHz 30dB(Min) @ 7200~7500MHz
DC Working Voltage	0 ~ 25 Volt
Operating Temperature	-40 ~ 85°C

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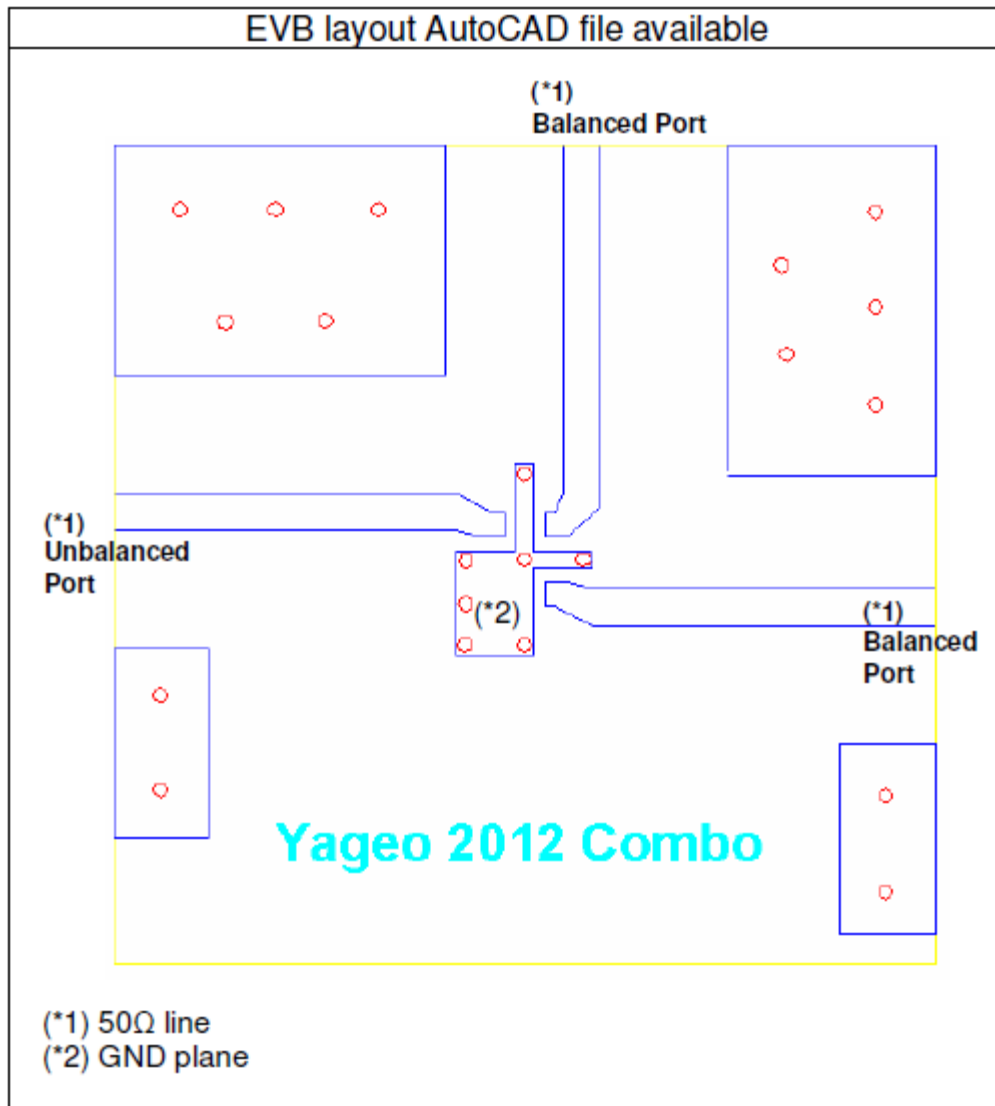
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Reference design of EVB

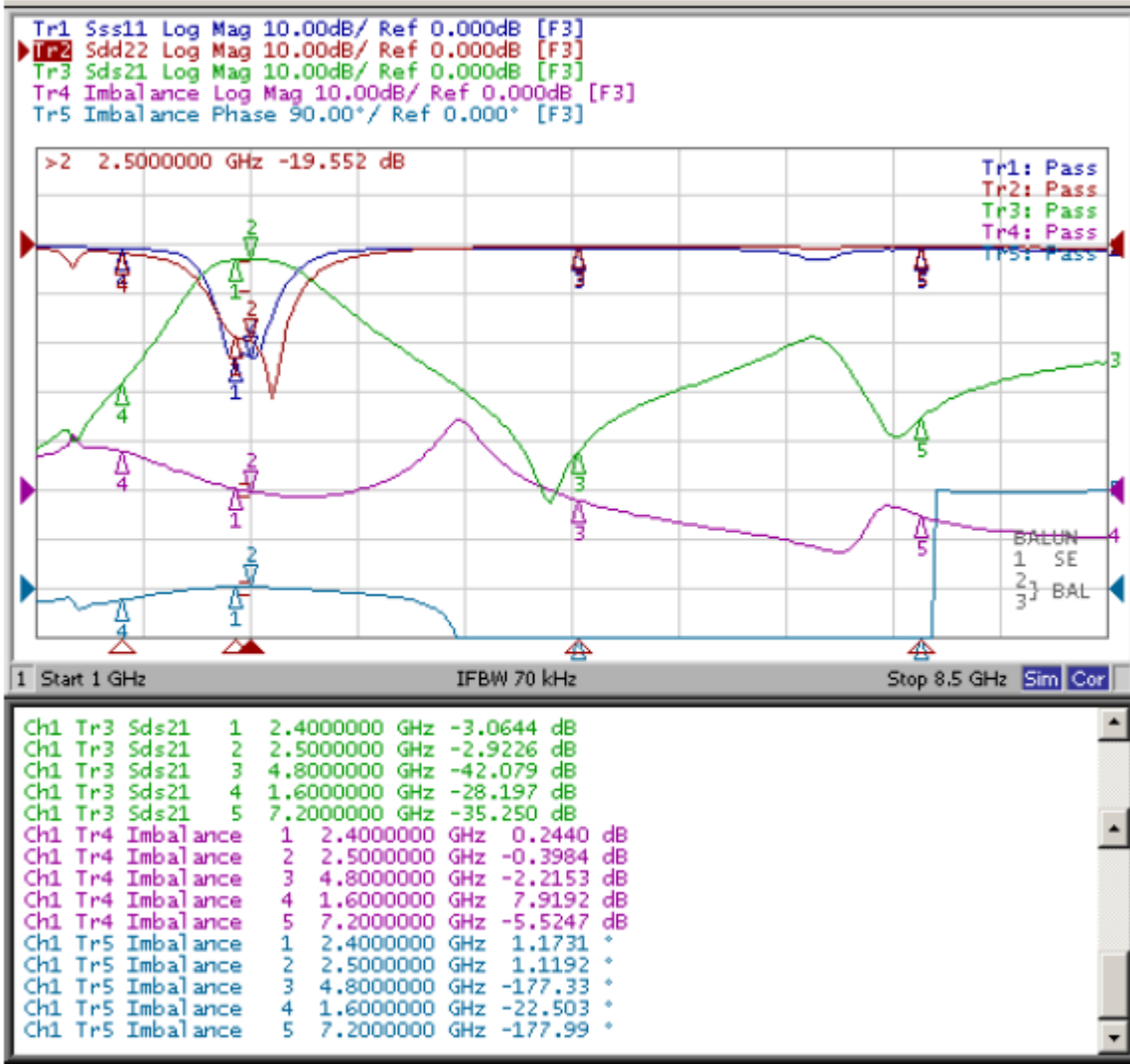


Reference design of evaluation board

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ELECTRICAL PERFORMANCES



- Unbalanced port return loss (Sss11, single-ended port return loss)
- Balanced port return loss (Sdd22, differential port return loss)
- Insertion loss (Sds21, differential port to single-ended port)
- Imbalance of amplitude (S21/S31, amplitude difference)
- Imbalance of phase (S21/S31, phase difference)

Frequency Characteristics

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REVISION HISTORY

Revision	Date	Description
Version 1	Oct. 07, 2020	- New issue

单击下面可查看定价，库存，交付和生命周期等信息

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