

"High Frequency Ceramic Solutions"

2.45 GHz Filter Balun 50:100Ω EIA 0805

P/N 2450FB15A0100

Detail Specification: 4/27/2012

Page 1 of 2

General Specifications

Part Number	2450FB15A0100
Frequency (MHz)	2400~2500
Unbalanced Impedance	50 Ω
Differential Balanced Impedance	100 Ω
Insertion Loss	1.5 dB max.
Return Loss	9.5 dB min.
Phase Difference	180° ± 10
Amplitude Difference	2.0 dB max.

Differential Mode Attenuation (dB)	20 min.@ 4800~5000MHz
	20 min.@ 7200~7500MHz
Common Mode Attenuation (dB)	20 min.@ 4800~5000MHz
Operating Temperature	-40 to +125°C
Recommended Storage Conditions*	+5 to +35°C, Humidity: 45-75%RH, 12 mos. Max
Input Power	2 Watts max.
Reel Quantity	4,000

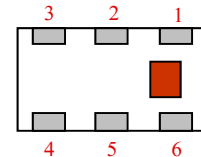
* 18 months in vacuum sealed bag and 1 week after opened. For more info go to www.johansontechnology.com/silverleads

Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.031 ± 0.004	0.80 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-0.008	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05

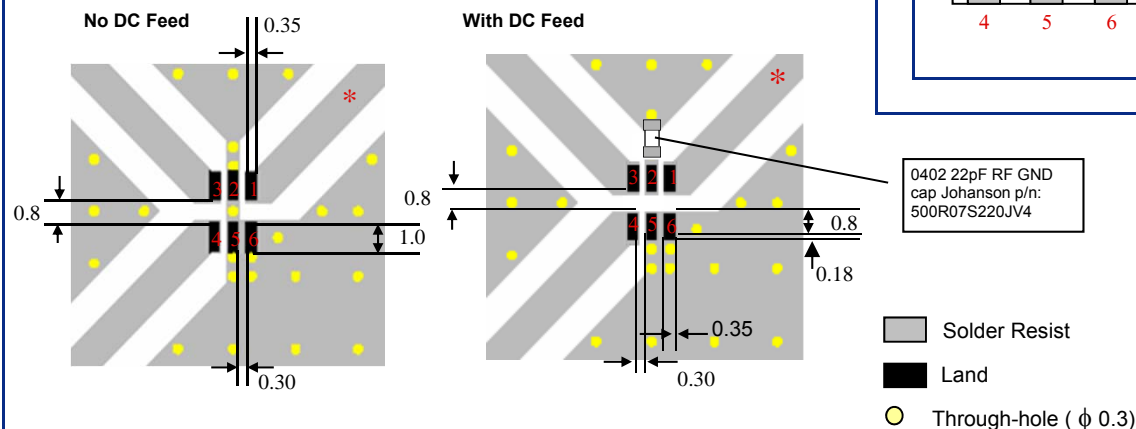
Terminal Configuration

No.	Function
1	Unbalanced Port
2	GND or DC Feed + RF GND
3	Balanced Port
4	Balanced Port
5	GND
6	GND



Mounting Considerations

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



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2010 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

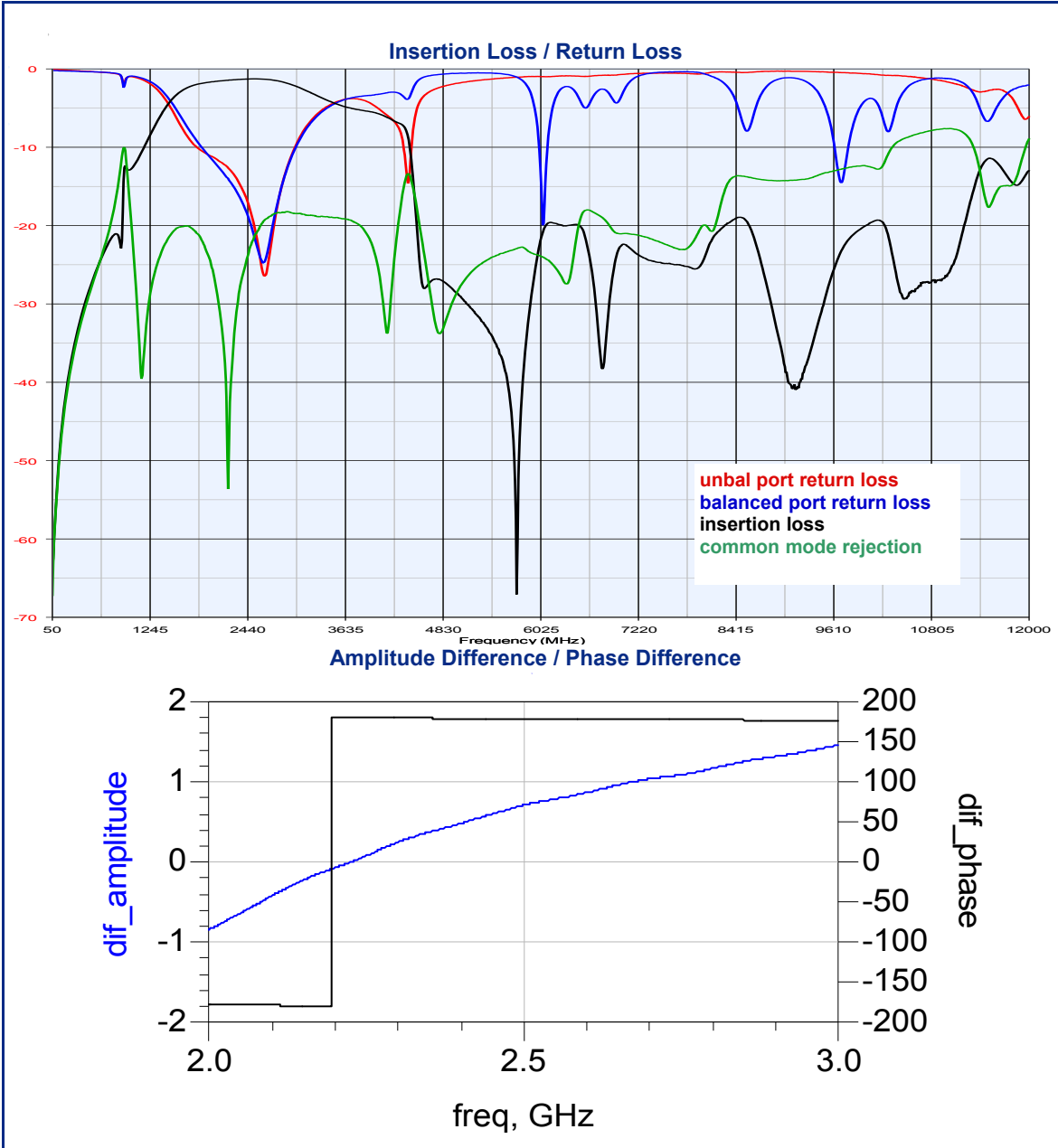
2.45 GHz Filter Balun 50:100Ω EIA 0805

P/N 2450FB15A0100

Detail Specification: 4/27/2012

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com
4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2010 Johanson Technology, Inc. All Rights Reserved