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High Frequency Ceramic Solutions

2.4GHz Impedance Matched Balun-Filter designed for TI CC2520

Page 1 of 5

P/N: 2450BM15B0002

Chipset.	
Detail Specification:	

Impedance

Insertion Loss

Insertion Loss

Return Loss (-40°C to 125°C) Phase Diff. (-40°C to 125°C)

General Specifications Part Number 2450BM15B0002 2400 - 2500 Frequency (MHz) **Unbalanced Impedance** 50 Ω **Differential Balanced** Conjugate match to TI Chipset 2520

6/15/2015

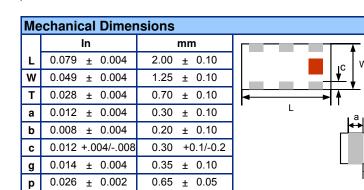
Differential Mode Attenuation (dB) -40°C to 125°C	12 min. @ 1GHz		
	18 min. @ 4800~5000MHz		
	20 min. @ 7200~7500MHz		
Input Power	2W max. CW		
Reel Quanity	4,000		
Operating Temperature	-40°C to +125°C		
Storage Temperature Range	-40°C to +85°C		
Recommended Storage Conditions of unused product on T&R	+5 ~ +35 °C, Humidity 45~75%RH, 18 mos. max		

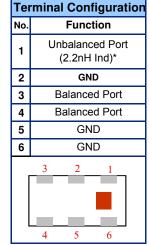
Part Number Explanation						
	Packaging	Bulk	Suffix = S	Eg. 2450BM15B0002S		
P/N	Style	T & R	Suffix = E	Eg. 2450BM15B0002E		
Suffix	Termination	100% Tin	Suffix = None	Eg. 2450BM15B0002(E or S)		

1.5 dB max. (-40°C to +85°C)

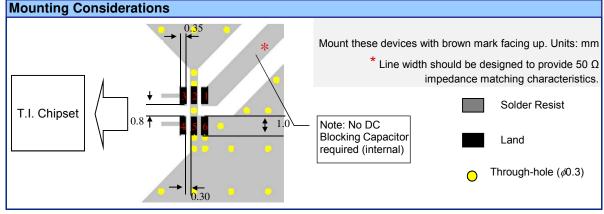
1.7 dB max. (-40°C to +125°C) 9.5 dB min.

180° ± 15





*2.2 nH Ceramic Chip inductor required on unbalanced port. See page 2 for details

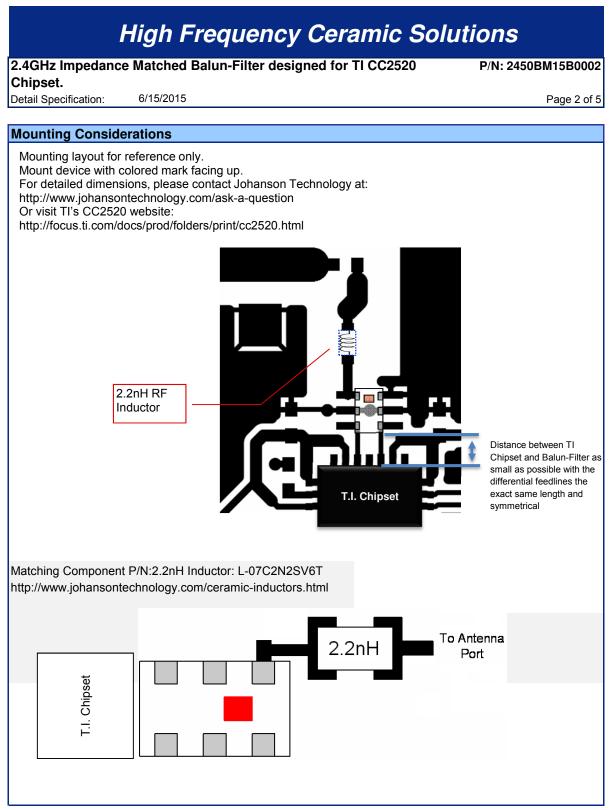


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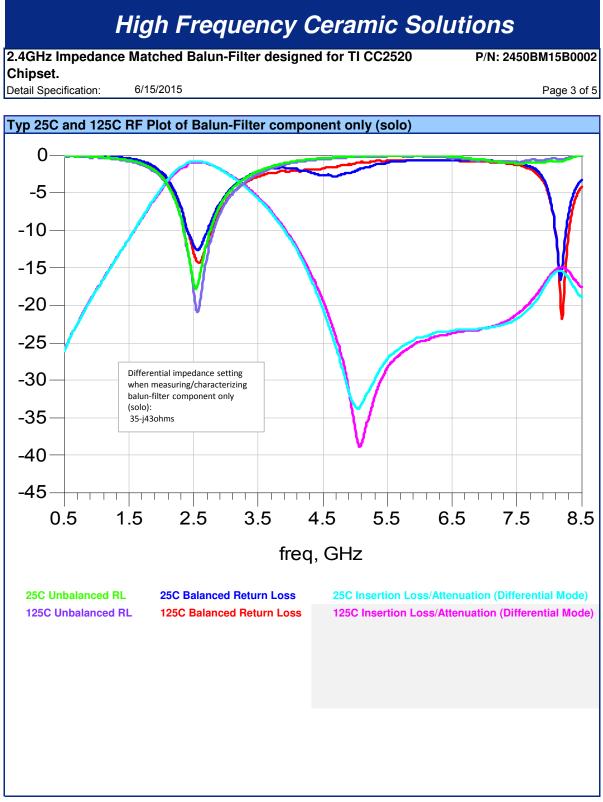


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High Frequency Ceramic Solutions

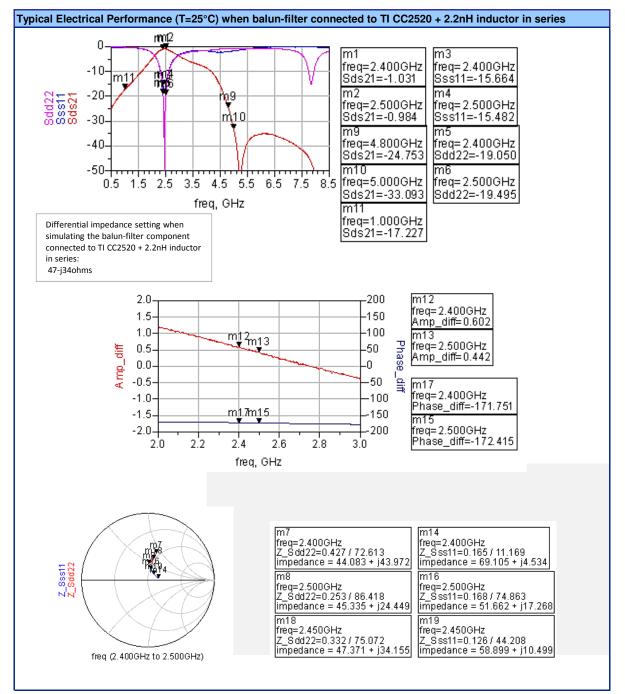
2.4GHz Impedance Matched Balun-Filter designed for TI CC2520

P/N: 2450BM15B0002

Chipset. Detail Specification:

n: 6/15/2015

Page 4 of 5



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"High Frequency Ceramic Solutions"

 2.4GHz Impedance Matched Balun-Filter designed for TI CC2520

 Chipset.

 Detail Specification:
 6/15/2015

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P/N: 2450BM15B0002

Application Notes, Layout Files, and more

www.johansontechnology.com/ti

RoHS Compliance

www.johansontechnology.com/technical-notes/rohs-compliance.html

Soldering Information

www.johansontechnology.com/ipcsoldering-profile

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MSL Info

www.johansontechnology.com/technical-notes/msl-rating.html

Recommneded Storage Condition and Max Shelf Life

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