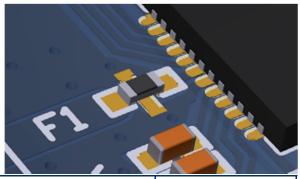
Ultra Miniature 2.45GHz Impedance Matched FCC / ETSI Low Pass Filter for Nordic Semiconductor Chipsets nRF52832, nRF52810, nRF52811 (QFN48 & QFN32 packages)

P/N 2450FM07A0029

Detail Specification: 5/15/2019 Page 1 of 4

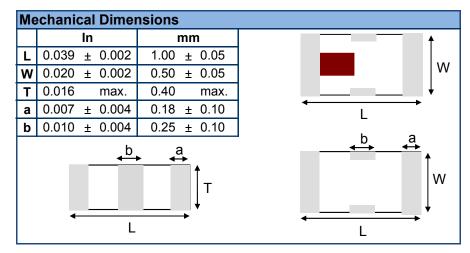
General Specifications				
Part Number	2450FM07A0029			
Frequency (MHz)	2400 - 2500			
Insertion loss (dB)	0.8 max.			
Return Loss (dB)	10 min.			
Input Impedance (Terminal Towards Chipset)	Impedance matched to nRF52832-QFAA, -QFAB nRF52810-QFAA, -QCAA nRF52811-QFAA, -QCAA			
Output Impedance	50Ω			
Power Capacity	2W max. (CW)			
Attenuation (dB)				
4800~5000MHz	23 typ. (20 min.)			
7200~7500MHz	12 typ. (18 min.)			



Reel Quantity	10,000 pcs
Operating Temperature	-40 to +85°C
Recommended Storage	+5 to +35°C
Conditions for unused	Humidity 45-75%RH
T&R product	18 mo. max.

Part Number Explanation				
P/N Suffix	Packaging Style Bull	Bulk	Suffix = S	e.g. 2450FM07A0029S
		T&R	Suffix = T	e.g. 2450FM07A0029T
	Termination Style	100% Tin	Suffix = None	e.g. 2450FM07A0029(T or S)

For the Full App Note and Layout Files, go to: https://www.johansontechnology.com/nordic



Terminal Configuration			
No.	Function		
1	IN (To RFIC)		
2	GND		
3	OUT (To Antenna)		
4	GND		
1	3		

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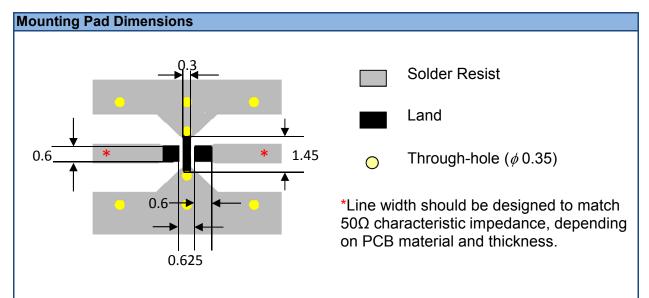
https://www.johansontechnology.com

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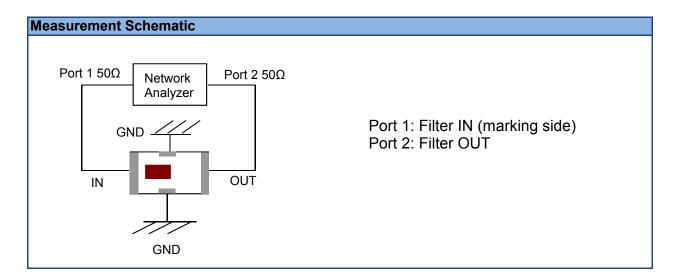
Ultra Miniature 2.45GHz Impedance Matched FCC / ETSI Low Pass Filter for Nordic Semiconductor Chipsets nRF52832, nRF52810, nRF52811 (QFN48 & QFN32 packages)

P/N 2450FM07A0029

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Do you need the layout files of the above? Go to: https://www.johansontechnology.com/nordic or send us a message to review your layout at: https://www.johansontechnology.com/nordic or send us a message to review your layout at: https://www.johansontechnology.com/nordic or send us a message to review your layout at: https://www.johansontechnology.com/ask-a-question



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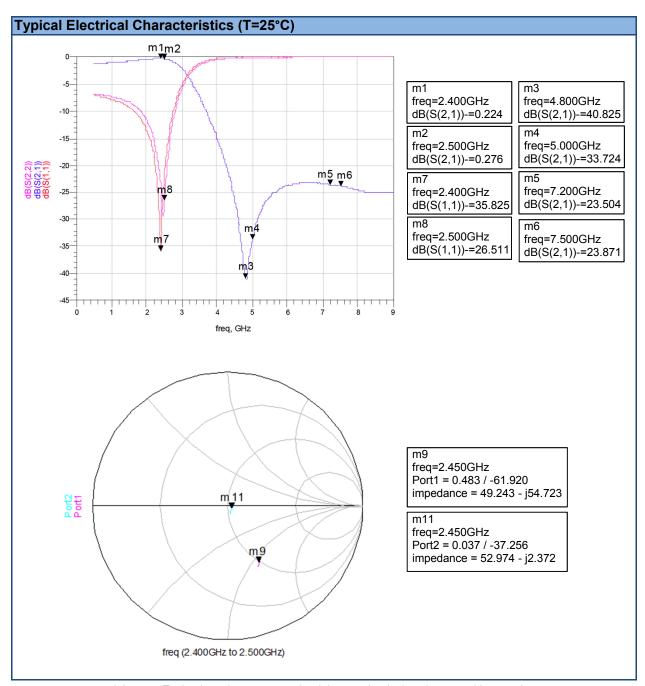
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Ultra Miniature 2.45GHz Impedance Matched FCC / ETSI Low Pass Filter for Nordic Semiconductor Chipsets nRF52832, nRF52810, nRF52811 (QFN48 & QFN32 packages)

P/N 2450FM07A0029

Detail Specification: 5/15/2019 Page 3 of 4



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Ultra Miniature 2.45GHz Impedance Matched FCC / ETSI Low Pass Filter for Nordic Semiconductor Chipsets nRF52832, nRF52810, nRF52811 (QFN48 & QFN32 packages)

P/N 2450FM07A0029

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Application Notes, Layout Files, and more

https://www.johansontechnology.com/nordic

Packaging information

https://www.johansontechnology.com/tape-reel-packaging

Soldering Information

https://www.johansontechnology.com/ipcsoldering-profile

MSL Info

https://www.johansontechnology.com/msl-rating

Recommended Storage Condition and Max Shelf Life

https://www.johansontechnology.com/recommended-storage-conditions

RoHS Compliance

https://www.johansontechnology.com/technical-notes/rohs-compliance

Antenna layout and tuning techniques

https://www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

https://www.johansontechnology.com/ipc-antenna-services

Johanson uses 6/6 RoHS Green Low-Temperature-Co-fired-Ceramic (LTCC) integrated passive technology in a 4-pin (Sn plated) monolithic structure. This component is 100% RF Tested, making it a more reliable system, impedance controlled environment, consistent-guaranteed RF performance in a very small RF front end-solution compared to the L/C discrete solution.



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