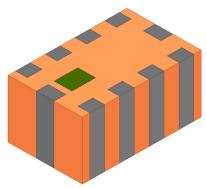
862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036 for Texas Instruments CC1352R and CC1352P

Detail Specification: 11/16/2018 Page 1 of 6

Do you need a small sub-GHz or 2.4GHz antenna? Go to: https://www.johansontechnology.com/antennas

General Specification	าร				
Part Number	0900PC15A0036				
Frequency (MHz)	862 - 928	2400 - 2500			
Insertion Loss (dB)	1.8 typ (2.0 max.) 1.3 typ (1.6 max				
Return Loss (dB)	14 typ. (10 min.)	14 typ. (10 min.)	1		
Phase Balance (deg)	180±15	180±15			
Amplitude Difference (dB)	0.8 typ. (1.5 max.)	1.0 typ. (2.0 max.)			
Attenuation (dB @MHz)	_	20 min. @4800 - 5000 40 min. @7200 - 7500			
Unbalanced Impedance (Ω)	50				
Balanced Impedance (Ω)	Impedance matched to Texas Instruments CC1352R and CC1352P				
Power Capacity (W)	3 max. CW				
Operating Temperature	-40°C to +85°C				



Recommended Storage
Conditions for unused
T&R product

+5 to +35°C Humidity 45 - 75%RH 18 months max.*

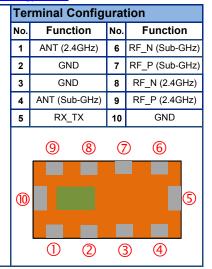
*18 months max. in vacuum sealed bag, 1 week once opened. Please see: https://www.johansontechnology.com/silverleads-profile

Part Number Explanation							
P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 0900PC15A0036S			
		T&R	Suffix = E	eg. 0900PC15A0036E			
		100% Tin	Suffix = None	eg. 0900PC15A0036(E or S)			

For more Texas Instruments matched balun-filters, go to: https://www.johansontechnology.com/ti

4,000

Mechanical Dimensions								
	ln	mm		1				
L	0.079 ± 0.008	2.00	±	0.2	Ţ <u></u>			
W	0.049 ± 0.008	1.25	±	0.2	W			
Т	0.039 max.	1.00	r	max.	↓ ↑			
а	0.010 ± 0.004	0.25	±	0.1				
b	0.012 ± 0.006	0.30	±	0.15	L			
С	0.008 +0.004/-0.006	0.20	+0.	1/-0.15	Тор			
d	0.020 ± 0.004	0.50	±	0.1				
a d d c c c d d d d d d d d d d d d d d								



Johanson Technology, Inc. reserves the right to make design changes without notice.

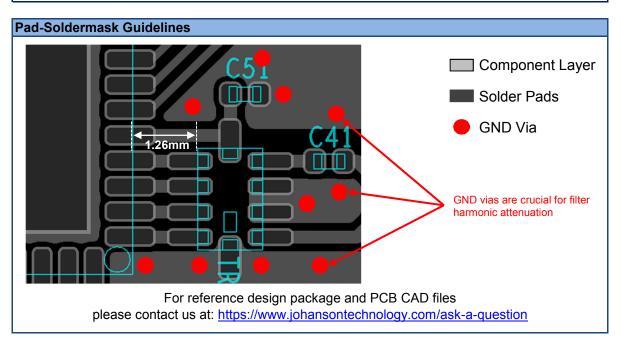
All sales are subject to Johanson Technology, Inc. terms and conditions.

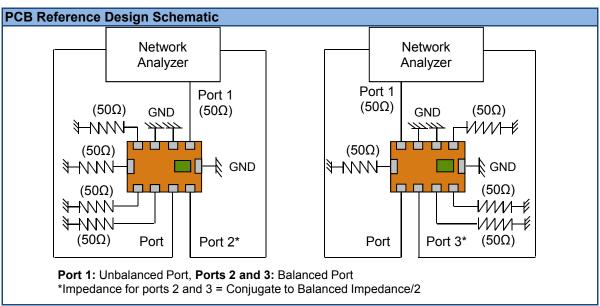


Quantity/Reel

862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036 for Texas Instruments CC1352R and CC1352P

Detail Specification: 11/16/2018 Page 2 of 6

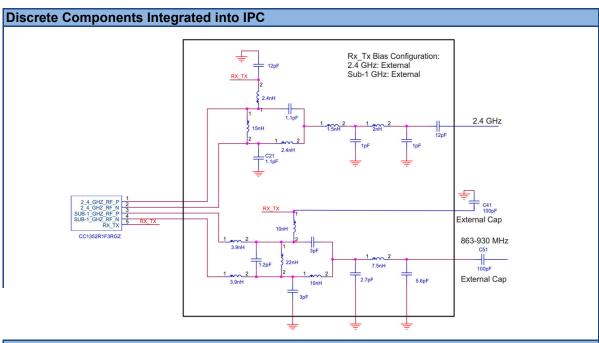


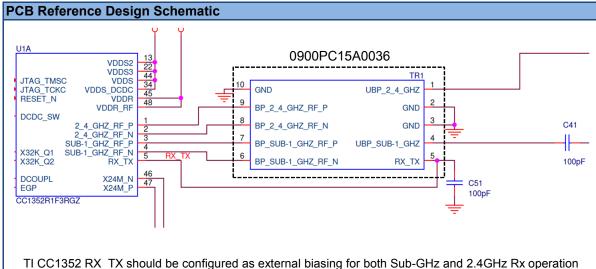




862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036 for Texas Instruments CC1352R and CC1352P

Detail Specification: 11/16/2018 Page 3 of 6

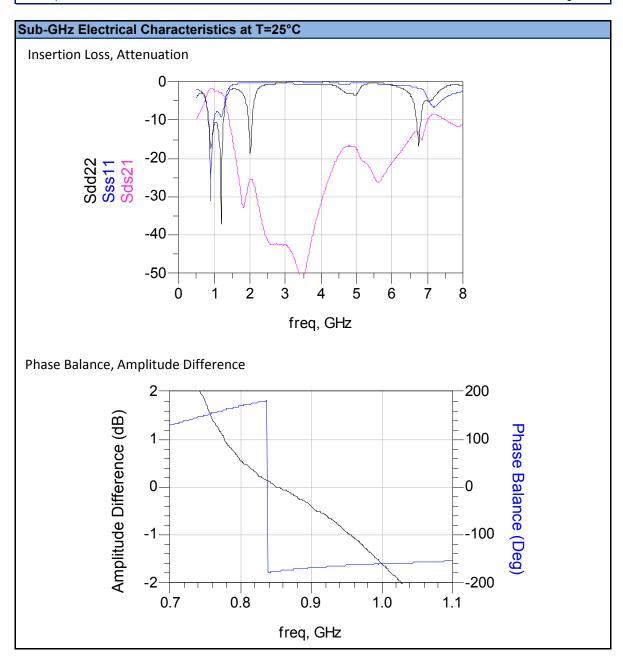






862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036 for Texas Instruments CC1352R and CC1352P

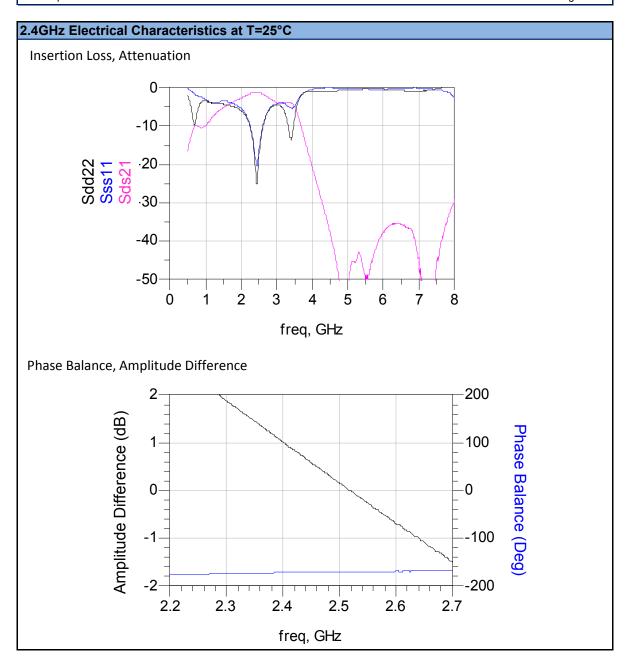
Detail Specification: 11/16/2018 Page 4 of 6





862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036 for Texas Instruments CC1352R and CC1352P

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862 - 928MHz, 2.4 - 2.5GHz Integrated Impedance-matched Balun Filter P/N: 0900PC15A0036

for Texas Instruments CC1352R and CC1352P

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Application Notes, Layout Files, and more

https://www.johansontechnology.com/ti

Small SMD 900MHz (or 2.4G, 5G) antennas at:

https://www.johansontechnology.com/antennas

RoHS Compliance

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

Soldering Information

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

Antenna layout and tuning techniques

https://www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

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

MSL Info

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

Recommended Storage Condition and Max Shelf Life

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

Packaging information

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

Silverleads Information

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

Texas Instruments Application Note

https://www.ti.com/lit/an/swra629/swra629.pdf

Would you like us to review your layout for free? Need an embedded antenna recommendation for your application? Contact us at:

https://www.johansontechnology.com/ask-a-question

