2.4GHz EIA 0202 Micro Balun 1:2 impedance for BLE/WiFi/LTE/Cellular P/N 2450BL05A0100

Detail Specification: 5/2/2017 Page 1 of 5

General Specifications			
2450BL05A0100			
2300 ~ 2690			
50 (ohms)			
100 (ohms)			
0.55 max.			
9.5 dB min.			
180° ± 10°			
2.5 max.			



i ilase Dillerence	100 ± 10		
Amplitude Difference (dB)	2.5 max.	Solder Paste	SAC 305 type is recommended
Power Capacity	2 Watts max. (CW)	Recommended Storage Cond.	+5 ~ +35°C, Humidity 45~75%RH
Operating Temperature	-40 to +85°C	Storage Period	18 months max.*
Storage Temperature Range	-40 to +85°C	Reel Quanity	10,000 pcs

*18 months in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. For more info like hadnling and sodlering profile, go to: www.johansontechnology.com/silverleads-profile.html

Ме	Mechanical Dimensions						
	In	mm	[- ; [-]				
L	0.026 ± 0.002	0.65 ± 0.05	W				
W	0.020 ± 0.002	0.50 ± 0.05	[-]				
Т	0.018 max.	0.45 max.	Top View Side View				
а	0.008 +0.004/-0.002	0.20 +0.1/-0.05	:_a_: _b_:				
b	0.010 +0.004/-0.002	0.25 +0.1/-0.05					
С	0.004 +0.004/-0.002	0.10 +0.1/-0.05	dÎ W ↑				
			\tau				
			L Side View				
			Bottom View Side View				

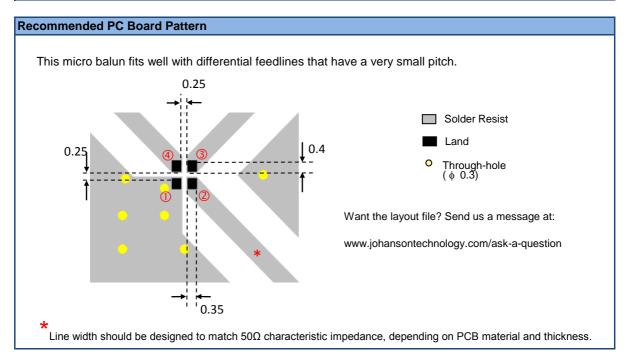
Terminal Configuration					
No	No Function		Function		
1	GND	3	Balanced Port		
2	Unbalanced Port	4	Balanced Port		
	(4) (1)	3	Top View		

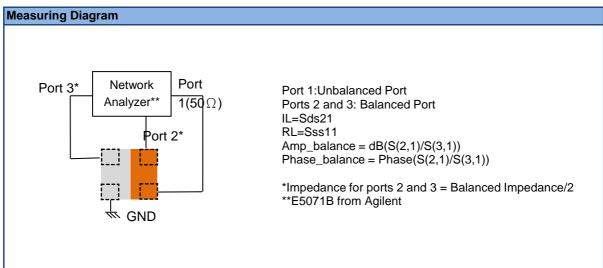
P/N Suffix	Packing Style —	Bulk		Suffix = S	eg. 2450BL05A0100S
		T&R		Suffix = T	eg. 2450BL05A0100T
	Evaluation Board	2450BL05A0100-EB1S		2450BL05A0100-EB1SMA (3 Female SMA connector on a 50Ω PCB)	



2.4GHz EIA 0202 Micro Balun 1:2 impedance for BLE/WiFi/LTE/Cellular P/N 2450BL05A0100

Detail Specification: 5/2/2017 Page 2 of 5

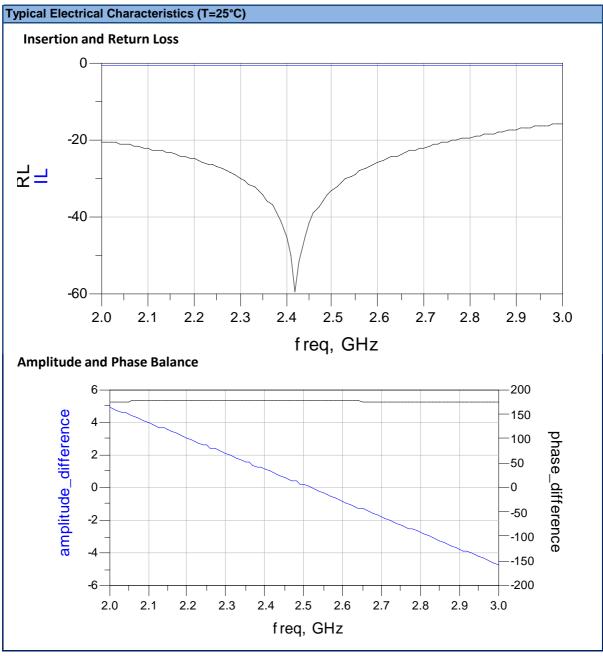






2.4GHz EIA 0202 Micro Balun 1:2 impedance for BLE/WiFi/LTE/Cellular P/N 2450BL05A0100

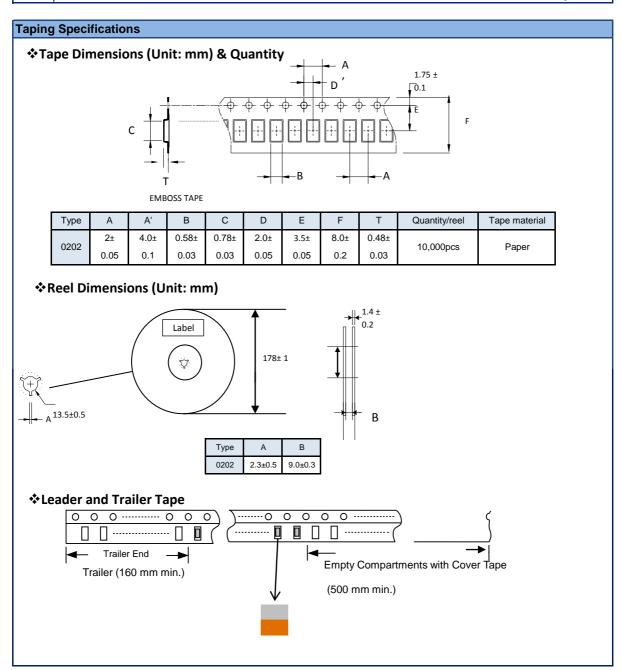
Detail Specification: 5/2/2017 Page 3 of 5





2.4GHz EIA 0202 Micro Balun 1:2 impedance for BLE/WiFi/LTE/Cellular P/N 2450BL05A0100

Detail Specification: 5/2/2017 Page 4 of 5





2.4GHz EIA 0202 Micro Balun 1:2 impedance for BLE/WiFi/LTE/Cellular P/N 2450BL05A0100

Detail Specification: 5/2/2017 Page 5 of 5

More Baluns

www.johansontechnology.com/baluns

RoHS Compliance

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

Packaging information

www.johansontechnology.com/ipcpackaging.html

Soldering Information (i.e. recommended profile)

www.johansontechnology.com/ipcsoldering-profile

Layout Files, s-parameters and any other technical questions

www.johansontechnology.com/ask-a-question

MSL Info

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

Recommneded Storage Condition and Max Shelf Life

www.johansontechnology.com/ipcstorage-shelflife

Antenna layout and tuning techniques

www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipcantennaservices

