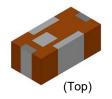
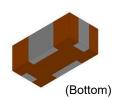
2.45GHz Band Pass Filter, EIA 0603

P/N 2450BP14D0100

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General Specifications		
Part Number	2450BP14D0100	
Frequency (MHz)	2400 - 2500	
Impedance (Ohm)	50	
Insertion Loss (dB)	1.5 typ. / 1.7 max.	
Return Loss (dB)	9.5 min.	
Power Capacity	2W max. (CW)	



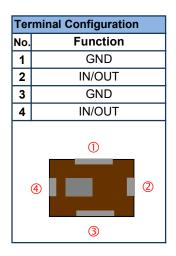


Frequency	Attenuation (dB)	Solder Paste	SAC 305 type recommended
880 - 915MHz	35 typ. / 30 min.	Operating Temperature	-40 to +85°C
1710 - 1785MHz	35 typ. / 30 min.	Reel Quantity	4,000
1850 - 1910MHz	27 typ. / 25 min.	Recommended Storage	15 to 125°C 10 mag may
4800 - 5000MHz	30 typ. / 25 min.	Conditions of unused	+5 to +35°C, 18 mos. max. Humidity 45~75% RH
7200 - 7500MHz	23 typ. / 15 min.	product on T&R *	

^{*18} months max. in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags. For more info go to https://www.johansontechnology.com/silverleads-profile.

Part Number Explanation					
P/N Suffix	Packing Style	Bulk	Suffix = S	Eg. 2450BP14D0100S	
		T&R	Suffix = T	Eg. 2450BP14D0100T	
	Termination Style	Ag/Pt	Suffix = None	E.g. 2450BP14D0100(T or S)	
	Evaluation Board	2450BP14D0100-EB1SMA (2 female 50Ω SMA connectors)			

Me	Mechanical Dimensions				
	ln	mm	→		
L	0.063 ± 0.004	1.60 ± 0.10	d a c c c c c c c c c c c c c c c c c c		
w	0.031 ± 0.004	0.80 ± 0.10			
Т	0.024 ± 0.004	0.60 ± 0.10	w		
а	0.028 ± 0.006	0.70 ± 0.15	<u> </u>		
b	0.012 ± 0.004	0.30 ± 0.10	↑°		
С	0.006 ± 0.004	0.15 ± 0.10	L T		
d	0.018 ± 0.006	0.45 ± 0.15			
			b		

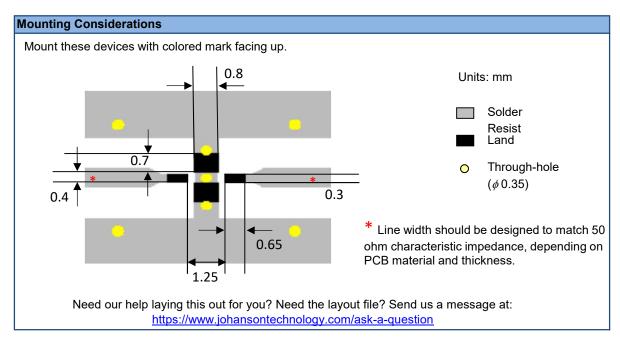


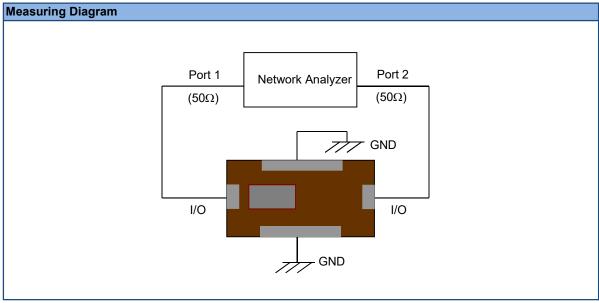


2.45GHz Band Pass Filter, EIA 0603

P/N 2450BP14D0100

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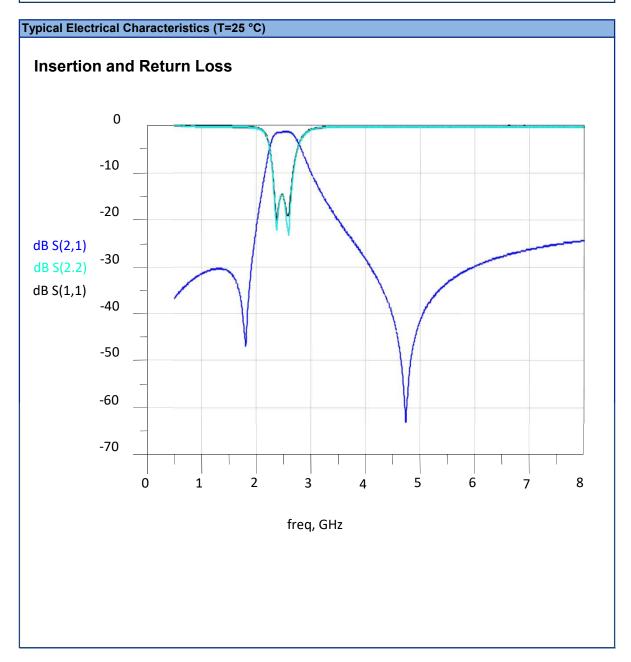




2.45GHz Band Pass Filter, EIA 0603

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2.45GHz Band Pass Filter, EIA 0603

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Band Pass Filters

https://www.johansontechnology.com/band-pass-filters

RoHS Compliance

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

Packaging information

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

Soldering Information

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

Layout Files, s-parameters and any other technical questions

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

MSL Info

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

Recommneded Storage Condition and Max Shelf Life

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

Antenna layout and tuning techniques

https://www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services

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

