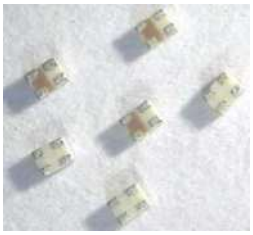
"High Frequency Ceramic Solutions"

5.4GHz Miniature EIA 0202 (0.65x0.50mm) High Pass Filter for WiFi, IoT Applications **P/N 5400HP05A0950**

Detail Specification: 7/9/2018

Not exactly what you are looking for and want to see our other filters? Go to: www.johansontechnology.com/integrated-passives

General Specifications	
Part Number	5400HP05A0950
Frequency Range	4900 - 6000 MHz
Operating Temp. Range	-40 to +105 °C
Recommended Storage Conditions for uninstalled product still on T&R	+5 to +35 °C, Humidity 45~75%RH 18 months max.
Qty/Reel (pcs)	10,000

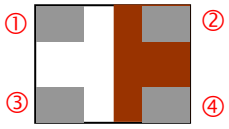


Electrical Specifications		
Operating Temp	-40C to +85°C	+85C to +105°C
Insertion Loss @ BW (dB)	0.55 typ. (0.65 dB max.)	0.73 typ. (0.75 dB max.)
Attenuation (db)	20 dB min (@2450-2500MHz)	20 dB min (@2450-2500MHz)
VSWR @ BW	2.0 max.	2.0 max.
Power Capacity	2W max. (CW)	2W max. (CW)

Terminal Configuration

<Top View>

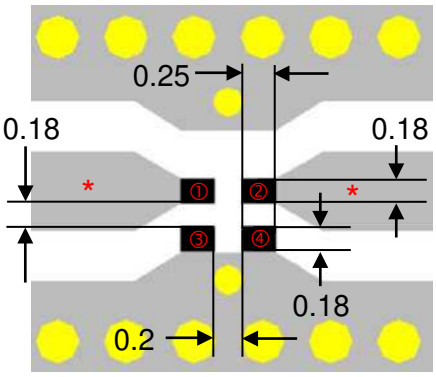
1	IN/OUT	**3**	GND
2	IN/OUT	**4**	GND



Part Number Explanation

P/N Suffix	**Packing Style**	Bulk	Suffix = S	eg. 5400HP05A0950S
		T & R	Suffix = T	eg. 5400HP05A0950T
	Termination style	100% Tin	Suffix = None	eg. 5400HP05A0950(T or S)
	Evaluation Board	5400HP05A0950-EB1SMA		

Mounting Considerations



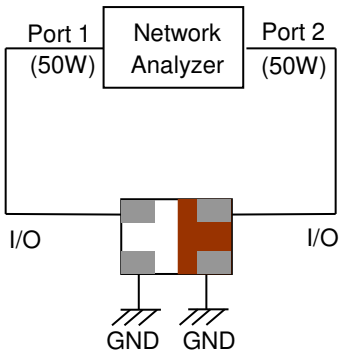
Solder Resist

Land

Through-hole (ϕ0.35)

* Line width should be designed to match 50Ω characteristic impedance, depending on PCB material and thickness.

Measuring Diagram



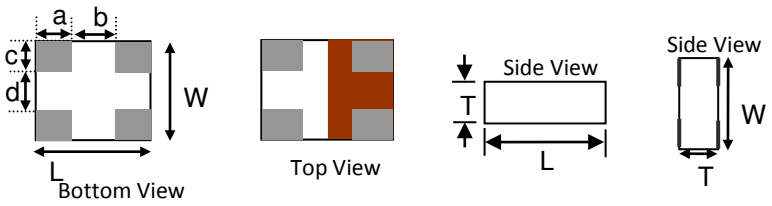
2018 Johanson Technology, Inc. All Rights Reserved

5.4GHz Miniature EIA 0202 (0.65x0.50mm) High Pass Filter for WiFi, IoT Applications **P/N 5400HP05A0950**

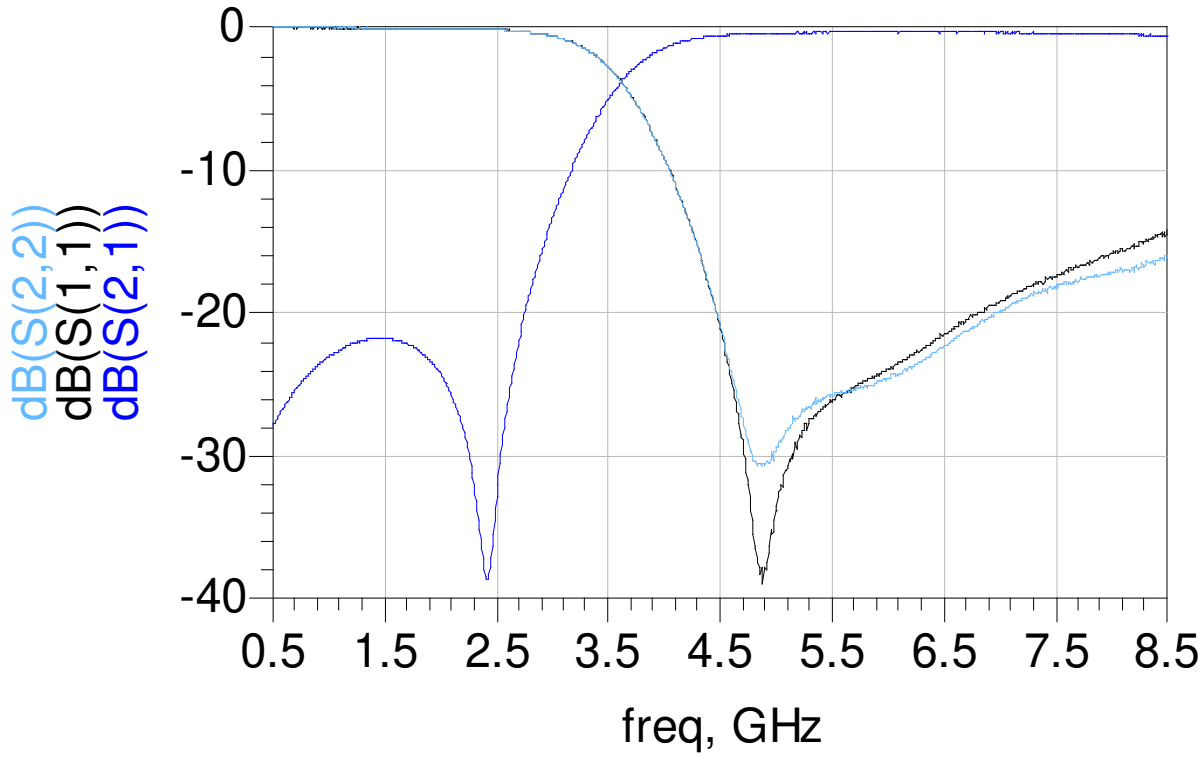
Detail Specification: 7/9/2018

Mechanical Specifications

	In		mm	
L	0.026 ±	0.002	0.65 ±	0.05
W	0.020 ±	0.002	0.50 ±	0.05
T	0.015	max.	0.37	max.
a	0.009	+0.004/-0.002	0.225	+0.1/-0.05
b	0.008	+0.004/-0.002	0.200	+0.1/-0.05
c	0.006	+0.004/-0.002	0.150	+0.1/-0.05
d	0.008	+0.004/-0.002	0.200	+0.1/-0.05



Typical Electrical Characteristics (T=25 °C)



The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

2018 Johanson Technology, Inc. All Rights Reserved

RoHS Compliance
www.johansontechnology.com/rohs-compliance

Packaging information (T&R info, etc.)
www.johansontechnology.com/tape-reel-packaging

Soldering Information
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/msl-rating

Recommneded Storage Condition and Max Shelf Life
www.johansontechnology.com/recommended-storage-conditions

Need a small SMD chip Antenna?
www.johansontechnology.com/antennas

Antenna layout and tuning techniques
www.johansontechnology.com/tuning

Antenna layout review, tuning, and characterization services
www.johansontechnology.com/ipc-antenna-services

The contents of this data sheet are subject to change without notice. Please confirm the specifications and delivery conditions when placing your order. All sales are subject to Johanson Technology, Inc. terms and conditions.

2018 Johanson Technology, Inc. All Rights Reserved