

High Frequency Ceramic Solutions

5.4GHz Band Pass Filter, EIA 0603, SMD

P/N 5400BP14A0950

Detail Specification: 12/9/2019

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General Specifications

Part Number	5400BP14A0950
Frequency (MHz)	4900 - 5850
Insertion Loss (dB)	1.5 max @ 25 °C 1.7 max @ -40 ~ 85 °C
Return Loss (dB)	9.5 min.
Attenuation (dB)	33 min. @ 100 - 2170 MHz
Attenuation (dB)	29 min. @ 2170 - 2500 MHz
Attenuation (dB)	32 min. @ 9800 - 12000 MHz
Impedance	50 Ω
Input Power	1W max. (CW)
Operating Temperature	-40 to +85°C
Solder Paste	SAC 305 type is recommended



Recommended Storage Conditions for unused T&R product	+5 to +35°C Humidity 45~75%RH 18 months max.
	Reel Quantity (pcs/reel)

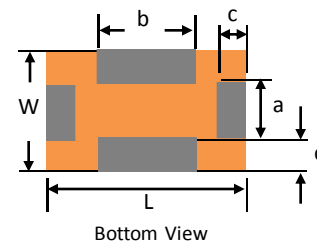
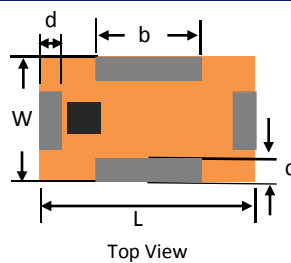
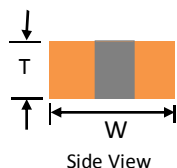
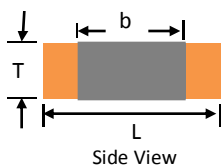
*18 months max. in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags.
For more info go to <https://www.johansontechnology.com/silverleads-profile>.

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	E.g. 5400BP14A0950S
		T & R	Suffix = T	E.g. 5400BP14A0950T
	Termination Style	Ag/Pt	Suffix = None	E.g. 5400BP14A0950(T or S)
	Evaluation Board	50Ω SMA	Suffix = EB1SMA	E.g. 5400BP14A0950-EB1SMA

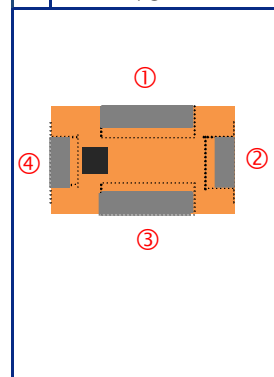
Mechanical Dimensions

	In	mm
L	0.063 ± 0.006	1.60 ± 0.15
W	0.031 ± 0.006	0.80 ± 0.15
T	0.024 ± 0.002	0.60 ± 0.05
a	0.012 ± 0.004	0.30 ± 0.10
b	0.028 ± 0.004	0.70 ± 0.10
c	0.008 ± 0.004	0.20 ± 0.10
d	0.006 ± 0.002	0.15 ± 0.05



Terminal Configuration

No.	Function
1	GND
2	I/O
3	GND
4	I/O



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<https://www.johansontechnology.com>

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Ver. 1.3

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High Frequency Ceramic Solutions

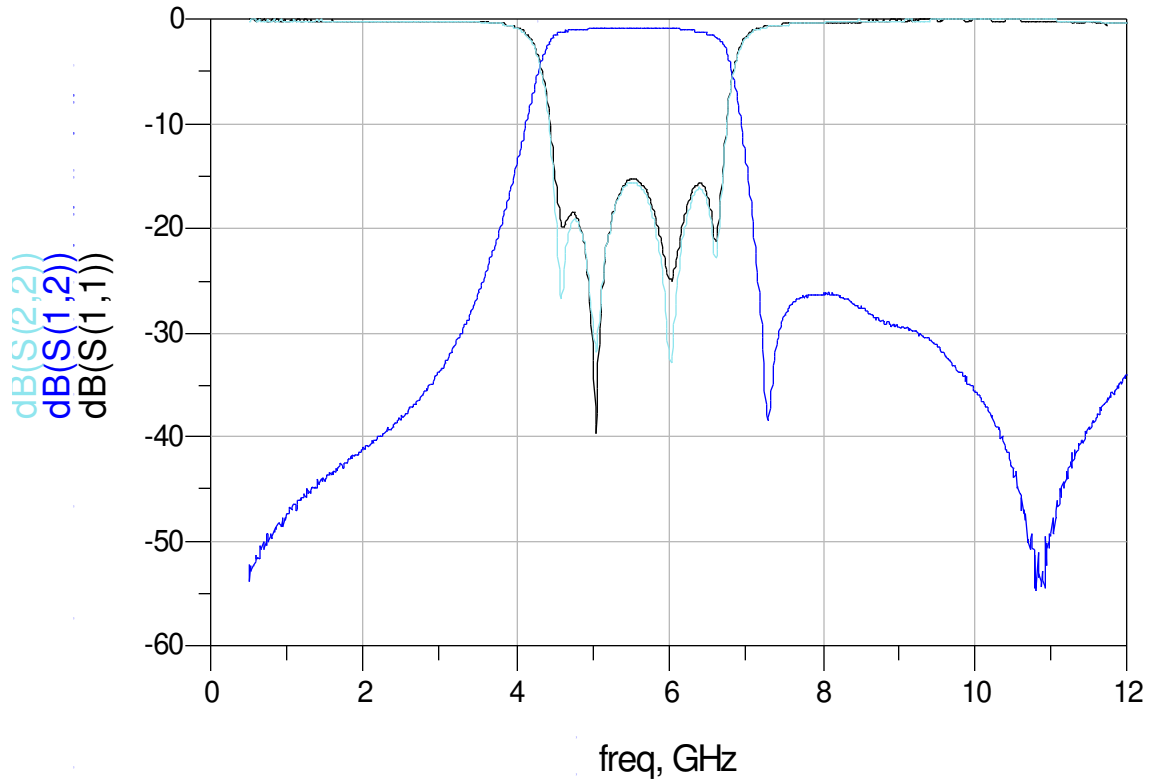
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Typical Electrical Characteristics (T=25°C)



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Application Notes, Layout Files, and more

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

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/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>

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