

# High Frequency Ceramic Solutions

## 3.3-3.8GHz Band Pass Filter, 5G

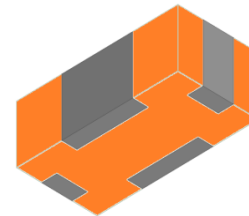
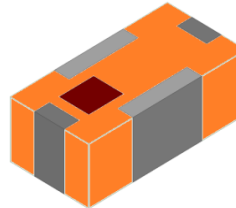
P/N 3600BP14M0600

Detail Specification: #####

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### General Specifications

Part Number	3600BP14M0600	
Operational Freq.	3300 - 3800 MHz	
Frequency (MHz)	3300 - 3700	3700 - 3800
Insertion Loss (dB)	1.8 typ. (2.0 max)	2.5 typ. (3.2 max.)
Return Loss (dB)	15 typ. (12 min.)	7 typ. (5 min.)



Attenuation (dB)	
806 - 915MHz	35 typ. (30 min.)
1710 - 1785MHz	32 typ. (30 min.)
1850 - 1910MHz	32 typ. (30 min.)
1920 - 1980MHz	32 typ. (30 min.)
2400 - 2500MHz	34 typ. (31 min.)
4900 - 5900MHz	22 typ. (18 min.)

Impedance	50 $\Omega$	Recommended Storage Conditions for unused T&R product	+5 to +35°C Humidity 45~75%RH 18 months max.
Input Power	500 mW max.		
Operating Temperature	-40 to +85°C		
Solder Paste	SAC 305 type is recommended	Reel Quantity (pcs/reel)	4,000

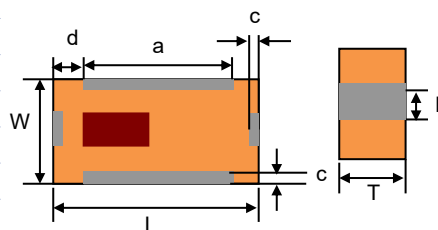
\*18 months max. in vacuum sealed bag and 1 week after opened. Please keep unused parts in vacuum sealed bags.  
For more info go to <https://www.johansontechnology.com/silverleads-profile>.

### Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	E.g. 3600BP14M0600S
		T & R	Suffix = T	E.g. 3600BP14M0600T
	Termination Style	Ag/Pt	Suffix = None	E.g. 3600BP14M0600(T or S)
	Evaluation Board	50 $\Omega$ SMA	Suffix = EB-SMA	E.g. 3600BP14M0600-EB-SMA

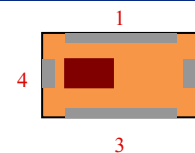
### Mechanical Dimensions

	In	mm
L	0.063 $\pm$ 0.004	1.60 $\pm$ 0.10
W	0.031 $\pm$ 0.004	0.80 $\pm$ 0.10
T	0.022 $\pm$ 0.004	0.55 $\pm$ 0.10
a	0.028 $\pm$ 0.006	0.70 $\pm$ 0.15
b	0.012 $\pm$ 0.004	0.30 $\pm$ 0.10
c	0.006 $\pm$ 0.004	0.15 $\pm$ 0.10
d	0.018 $\pm$ 0.006	0.45 $\pm$ 0.15



### Terminal Configuration

No.	Function
1	GND
2	INPUT / OUTPUT
3	GND
4	INPUT / OUTPUT



bidirectional component

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<https://www.johansontechnology.com>

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3.3-3.8GHz Band Pass Filter, 5G

P/N 3600BP14M0600

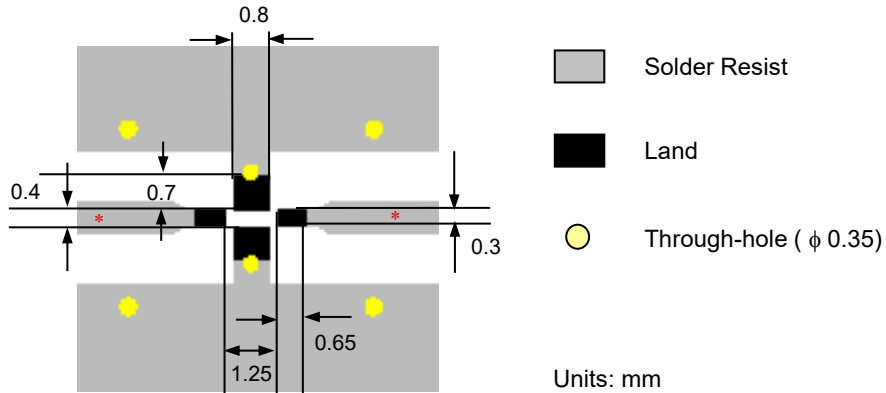
Detail Specification: #####

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## Mounting Pad Dimensions

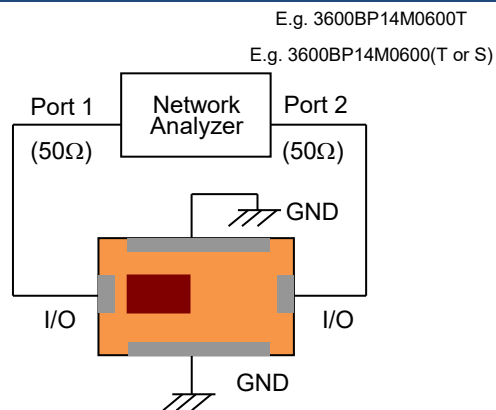
Mount these devices with brown mark facing up.

\* Line width should be designed to provide 50  $\Omega$  impedance matching characteristics.



Would you like the CAD layout? Send us a message at: <https://www.johansontechnology.com/ask-a-question>

## Measurement Schematic



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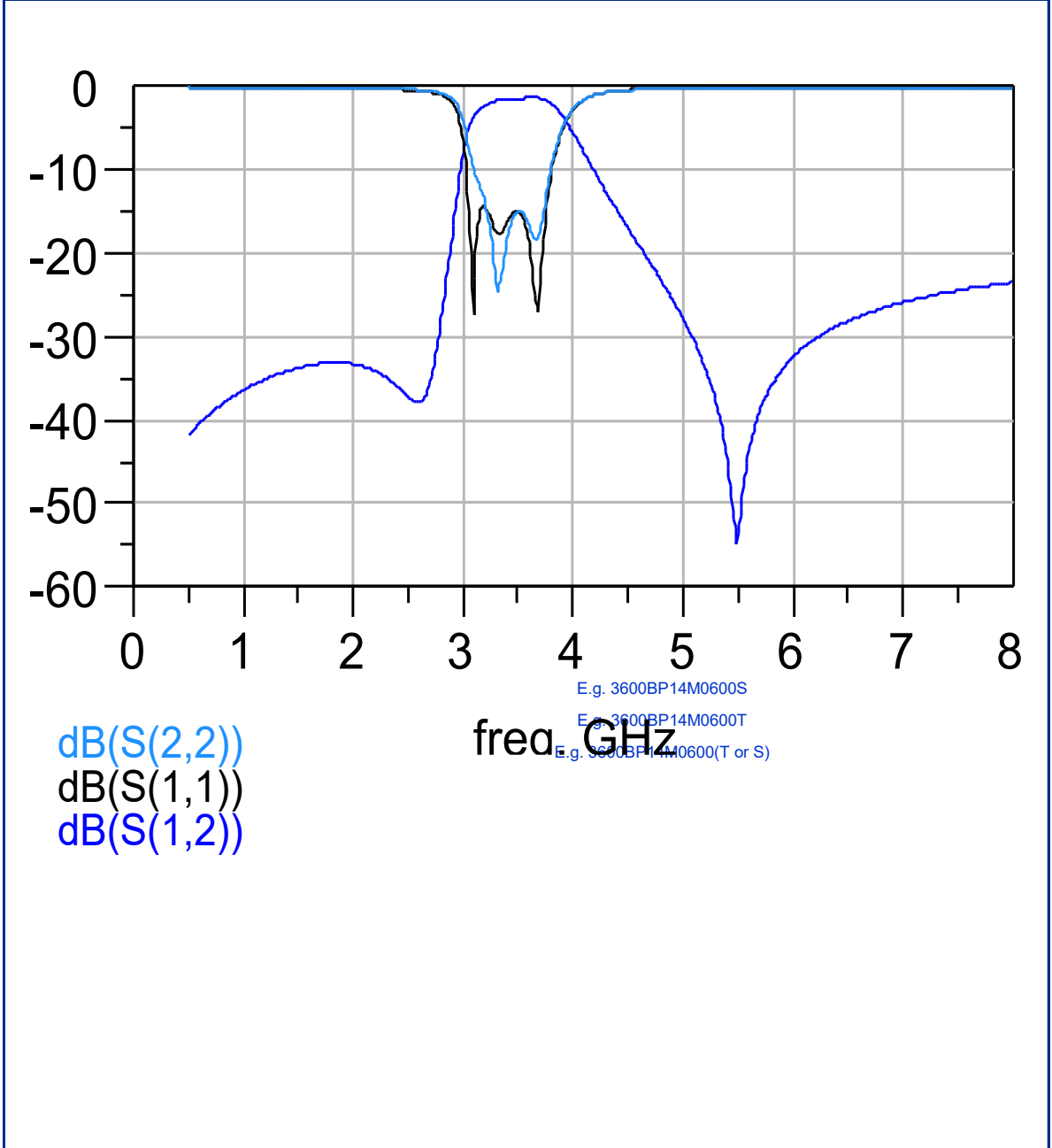
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P/N 3600BP14M0600

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## Typical Electrical Characteristics (T=25°C)



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**3.3-3.8GHz Band Pass Filter, 5G**

**P/N 3600BP14M0600**

Detail Specification: #####

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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>

E.g. 3600BP14M0600T

E.g. 3600BP14M0600(T or S)

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