

# High Frequency Ceramic Solutions

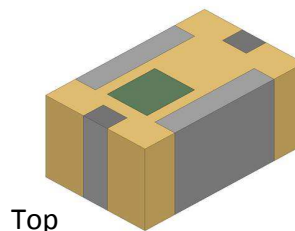
3.6 GHz Band Pass Filter, EIA 0805

P/N 3600BP15M600

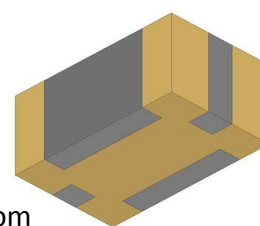
Detail Specification: 5/5/2021

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General Specifications	
Part Number	3600BP15M600
Operating Frequency(GHz)	3.3 - 3.9
Insertion loss (dB)	1.55 typ. (1.8 max.)
Return Loss (dB)	9.5 min.
Power Capacity (W)	3 max.
Attenuation I (dB)	23 typ. (15 min.) @ 0.1 - 2.6GHz
Attenuation II (dB)	12 typ. (9 min.) @ 4.4 - 6.0GHz
Attenuation III (dB)	22 typ. (20 min.) @ 6.0 - 9.9GHz
Operating Temperature	-40°C to +105°C
Reel Quantity (pcs/reel)	4,000
Recommended Storage Conditions and Period for unused product on T&R	+5 to +35°C Humidity 45 - 75%RH 18 months max.*



Top



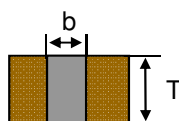
Bottom

\*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>.

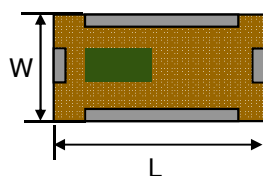
Part Number Explanation				
P/N Suffix	Packaging Style	Bulk (loose pcs.)	Suffix = S	E.g. 3600BP15M600S
		T & R	Suffix = E	E.g. 3600BP15M600E
	Termination Style	Ag/Pt	Suffix = None	E.g. 3600BP15M600(E or S)
	Evaluation Board	50Ω SMA	Suffix = EB-SMA	E.g. 3600BP15M600-EB-SMA

## Mechanical Dimensions

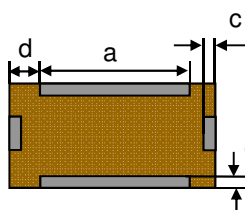
	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.049 ± 0.006	1.25 ± 0.15
b	0.012 ± 0.006	0.30 ± 0.15
c	0.010 ± 0.006	0.25 ± 0.15
d	0.014 ± 0.006	0.35 ± 0.15



Side view



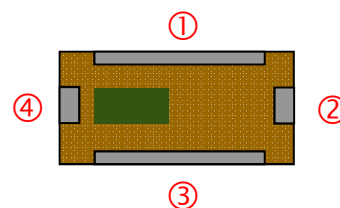
Top view



Bottom view

## Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN



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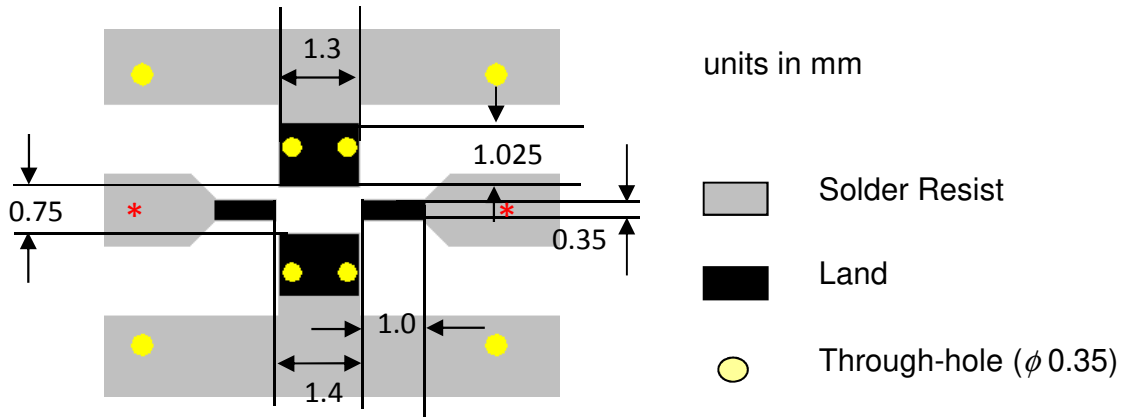
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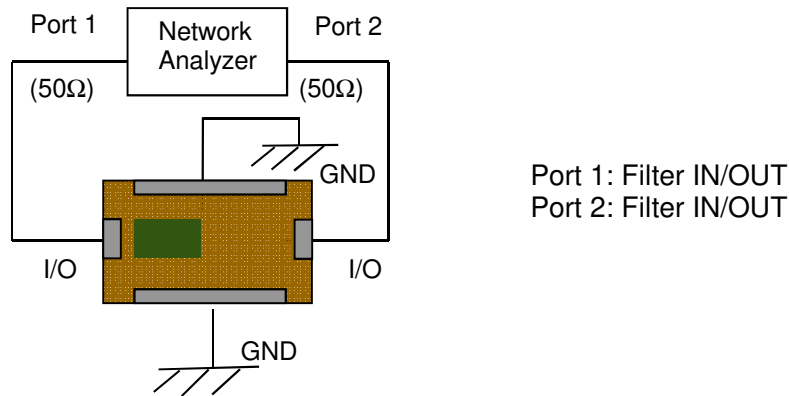
## Mounting Pad Dimensions

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



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

## Measurement Schematic



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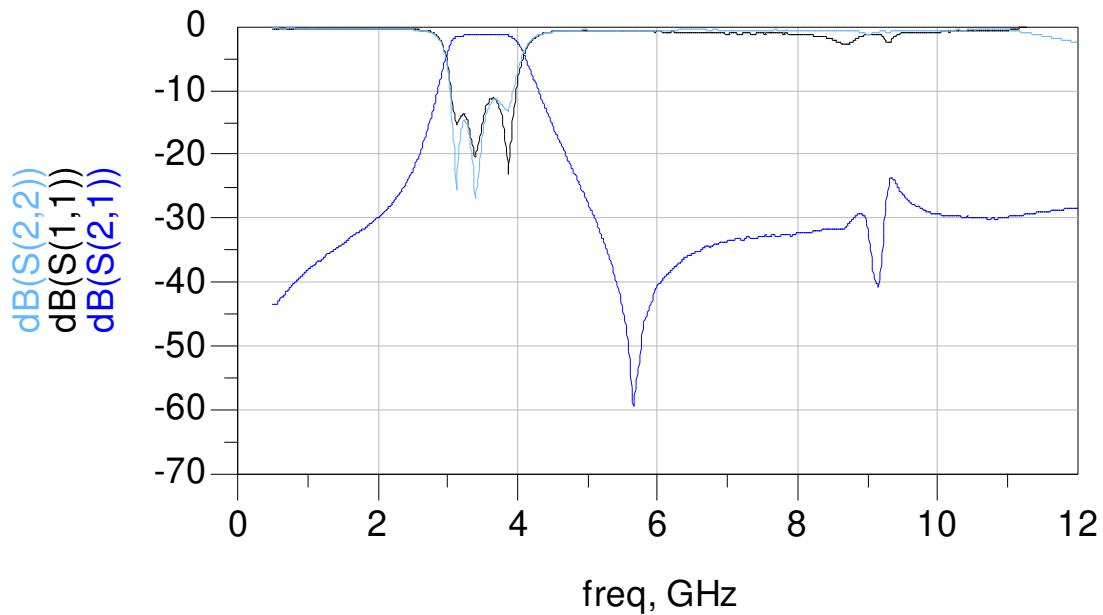
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## Typical Electrical Characteristics (T=25°C)

### Insertion Loss & Return loss



Do you need the S-parameter file of the above? Send us a message at:  
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**P/N 3600BP15M600**

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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/technical-notes/rohs-compliance>

## Antenna layout review, tuning, and characterization services

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

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