

# High Frequency Ceramic Solutions

## 2.45 GHz Band Pass Filter

P/N 2500BP15M400

Detail Specification: 02/06/06

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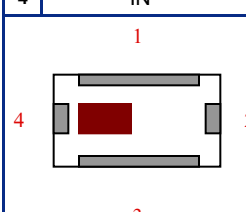
### General Specifications

Part Number	2500BP15M400
Frequency (MHz)	2300 - 2700
Insertion Loss	2.0 dB max.
Return Loss	9.5 dB min.
Attenuation (min.)	15 dB @ 100 -1800 MHz
Attenuation (min.)	20 dB @ 3400 - 11700 MHz

Impedance	50 $\Omega$
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	4,000

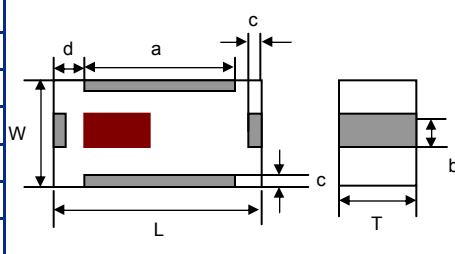
P/N	Packaging Style	Bulk	Suffix = S	Eg. 2500BP15M400S
		T & R	Suffix = E	Eg. 2500BP15M400E
Suffix	Termination Style	100% Tin	Suffix = None	Eg. 2500BP15M400(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 2500BP15M400(E or S)/Pb

Terminal Configuration	
No.	Function
1	GND
2	OUT
3	GND
4	IN



### Mechanical Dimensions

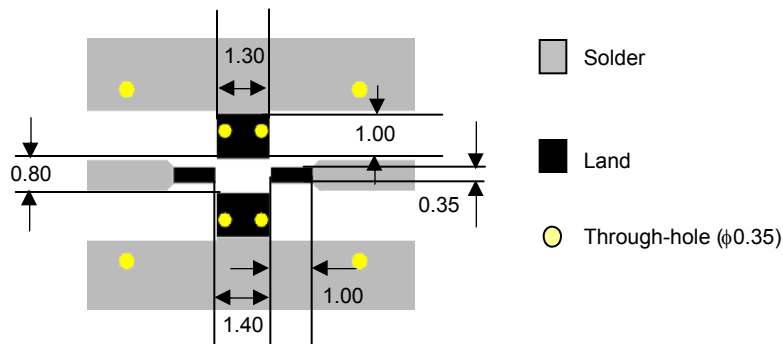
	In	mm
L	0.079 ± 0.006	2.00 ± 0.15
W	0.049 ± 0.004	1.25 ± 0.10
T	0.037 ± 0.004	0.95 ± 0.10
a	0.049 ± 0.006	1.25 ± 0.15
b	0.012 ± 0.006	0.30 ± 0.15
c	0.010 ± 0.006	0.25 ± 0.15
d	0.014 ± 0.006	0.35 ± 0.15



### Mounting Considerations

Mount these devices with brown mark facing up.

\* Line width should be designed to provide 50 ohm impedance, depending on PCB material and thickness



Units: mm

Johanson Technology, Inc. reserves the right to make design changes without notice.

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[www.johansontechology.com](http://www.johansontechology.com)

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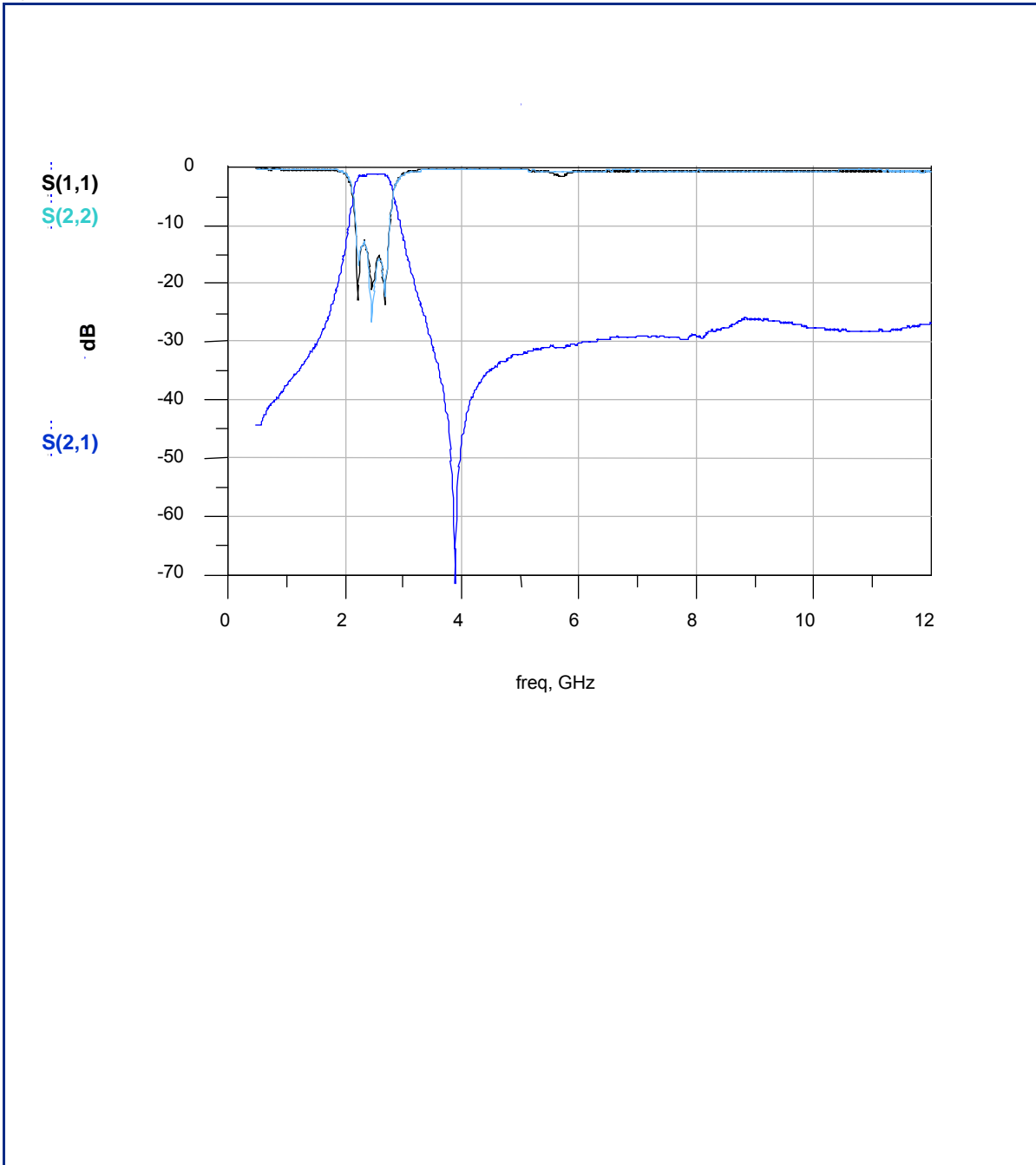
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## Typical Electrical Performance (T=25°C)



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