

## Excellent Integrated System Limited

Stocking Distributor

Click to view price, real time Inventory, Delivery & Lifecycle Information:

[Johanson Technology Inc.](#)  
[4000BP15U1800E](#)

For any questions, you can email us directly:

[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)

# High Frequency Ceramic Solutions

**4.0 GHz Wideband Band Pass Filter** **P/N 4000BP15U1800**  
 Detail Specification: 07/10/11 Page 1 of 2

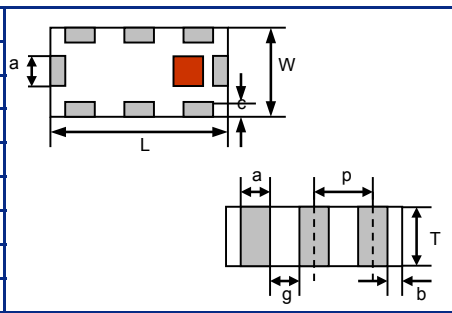
### General Specifications

Part Number	4000BP15U1800	
Frequency (MHz)	3100 - 4900	
Insertion Loss	2.0 dB max.	
Return Loss	8.5 dB min.	
Attenuation (min.)	0.8 - 2.0 GHz	25 dB
Attenuation (min.)	6.2 - 9.6 GHz	13 dB

Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity: 45~75%RH
Reel Quantity	4,000

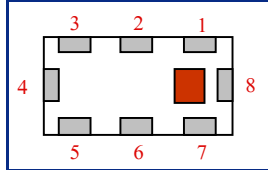
### Mechanical Dimensions

	In	mm
L	0.079 ± 0.004	2.00 ± 0.10
W	0.049 ± 0.004	1.25 ± 0.10
T	0.028 ± 0.004	0.70 ± 0.10
a	0.012 ± 0.004	0.30 ± 0.10
b	0.008 ± 0.004	0.20 ± 0.10
c	0.012 +.004/-.006	0.30 +0.1/-0.2
g	0.014 ± 0.004	0.35 ± 0.10
p	0.026 ± 0.002	0.65 ± 0.05



### Terminal Configuration

No.	Function
1	In/Out
2	GND
3	In/Out
4	GND
5	GND
6	GND
7	GND
8	GND



P/N Suffix	Packaging Style	Bulk (loose)	Suffix = S	Eg. 4000BP15U1800S
		T & R	Suffix = E	Eg. 4000BP15U1800E
	Evaluation Board	4000BP15U1800-EB-SMA		

### Mounting Considerations

Mount these devices with brown mark facing up.  
 \* Line width should be designed to provide 50Ω impedance matching characteristics.  
 Units: mm

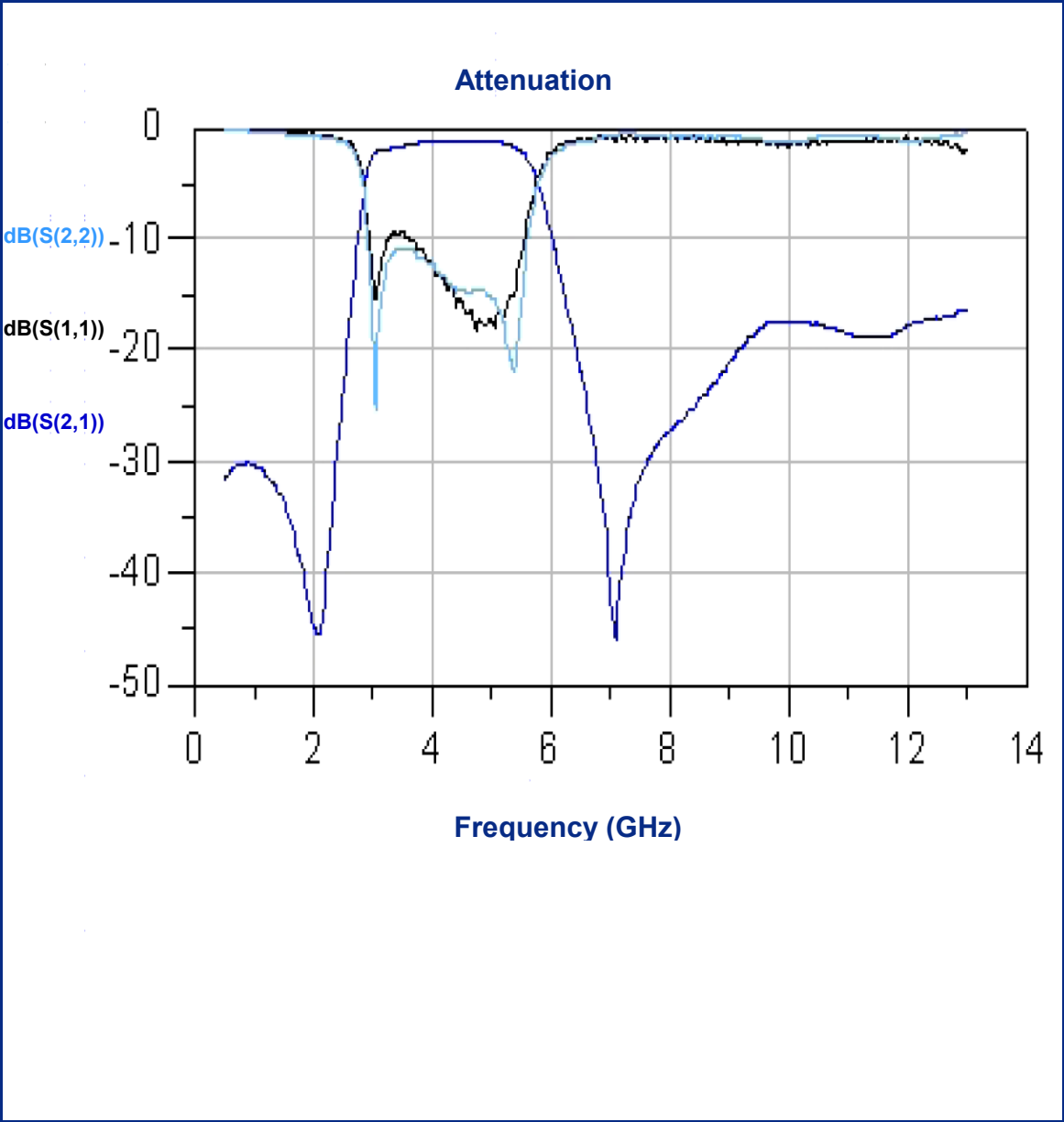
- Solder Resist
- Land
- Through-hole (φ0.3)

Johanson Technology, Inc. reserves the right to make design changes without notice.  
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Typical Electrical Performance (T=25°C)



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REVISION DATE	COMMENTS (describe significant changes)	AUTHOR
08/12/03	Initial	j. fisher