

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



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High Frequency Ceramic Solutions

4.0 GHz Wideband Band Pass Filter

P/N 4000BP15U1800

Detail Specification: 07/10/11

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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

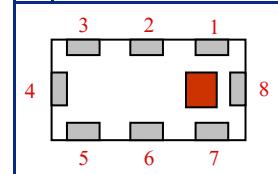
Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	+5 ~ +35°C, Humidity: 45~75%RH
Reel Quantity	4,000

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/-0.006	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



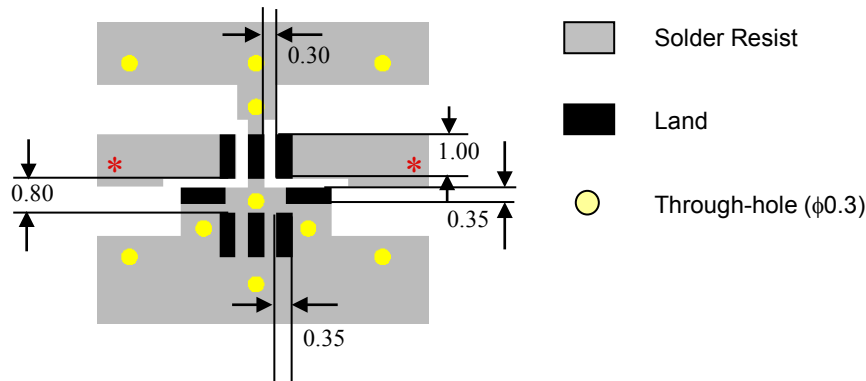
P/N Suffix	Packaging Style	Bulk (loose)	Suffix = S	Eg. 4000BP15U1800S
		T & R	Suffix = E	Eg. 4000BP15U1800E
	Evaluation Board	4000BP15U1800-EB-SMA		

Mounting Considerations

Mount these devices with brown mark facing up.

* Line width should be designed to provide 50Ω impedance matching characteristics.

Units: mm



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

All sales are subject to Johanson Technology, Inc. terms and conditions.



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High Frequency Ceramic Solutions

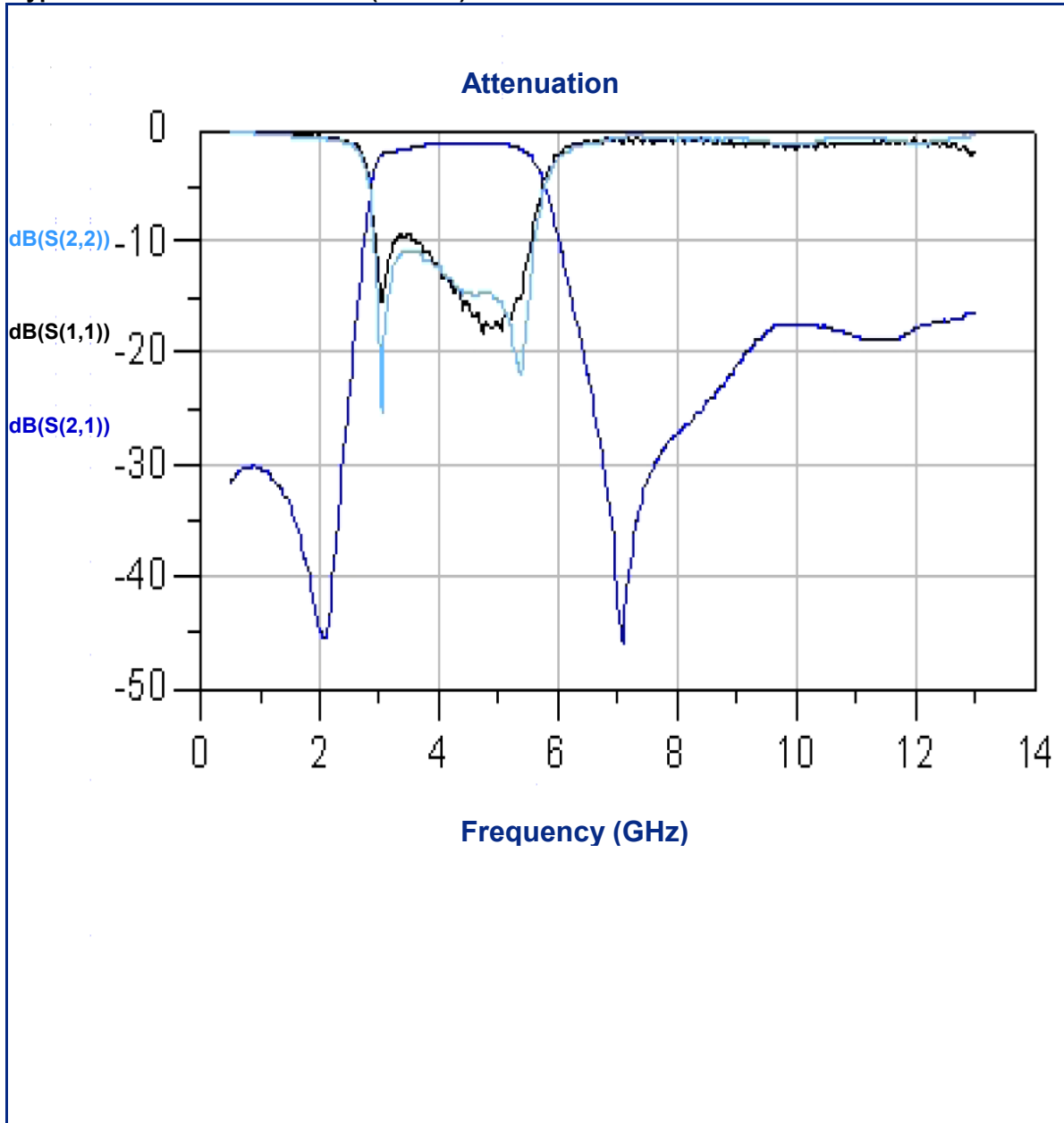
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Typical Electrical Performance (T=25°C)



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