

"High Frequency Ceramic Solutions"

UWB (3.1 - 7.16 GHz) Band Pass Filter

P/N 5130BP18U4060

Detail Specification: 02/14/06

Page 1 of 2

General Specifications

Part Number	5130BP18U4060
Frequency (MHz)	3100 - 7160
Attenuation (min.)	25 dB @ 824 -960 MHz
Attenuation (min.)	25 dB @ 1710 - 1990 MHz
Attenuation (min.)	15 dB @ 2400 -2500 MHz
Attenuation (min.)	20 dB @ 10100 - 10600 MHz

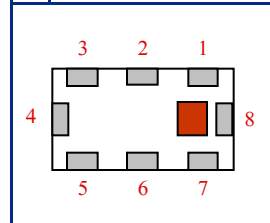
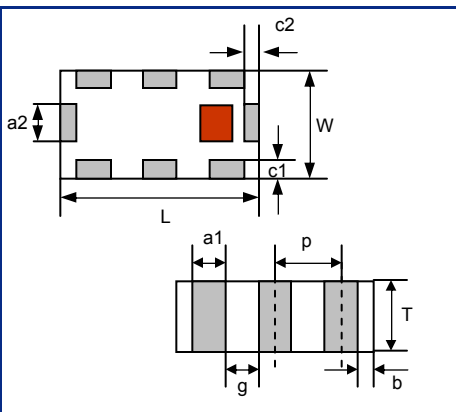
Insertion Loss	1.6 dB max.
Return Loss	9.5 dB min.
Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	3,000

P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 5130BP18U4060S
		T & R	Suffix = E	Eg. 5130BP18U4060E
	Termination Style	100% Tin	Suffix = None	Eg. 5130BP18U4060(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 5130BP18U4060(E or S)/Pb

Terminal Configuration	
No.	Function
1	GND
2	GND
3	GND
4	I/O
5	GND
6	GND
7	GND
8	I/O

Mechanical Dimensions

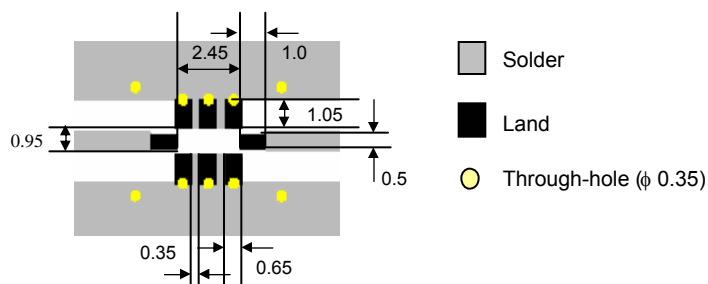
	In	mm
L	0.126 ± 0.006	3.20 ± 0.15
W	0.063 ± 0.006	1.60 ± 0.15
T	0.037 ± 0.004	0.95 ± 0.10
a1	0.022 ± 0.006	0.55 ± 0.15
a2	0.020 ± 0.006	0.50 ± 0.15
b	0.012 +.004/-0.008	0.30 +0.1/-0.2
c1	0.012 ± 0.006	0.30 ± 0.15
c2	0.012 ± 0.008	0.30 ± 0.20
g	0.016 ± 0.006	0.40 ± 0.15
p	0.039 ± 0.004	1.00 ± 0.10



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



www.johansontechnology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

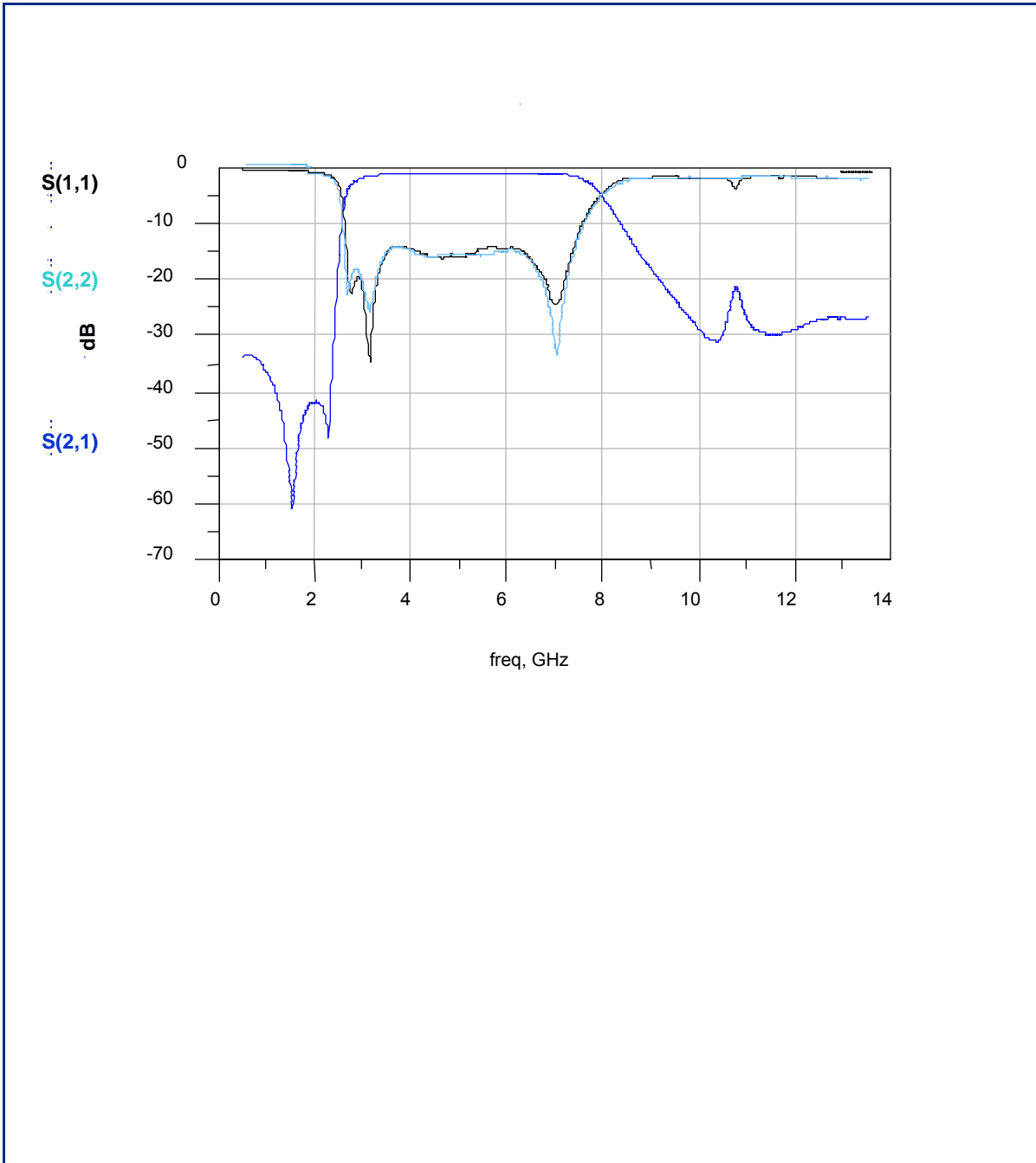
UWB (3.1 - 7.16 GHz) Band Pass Filter

P/N 5130BP18U4060

Detail Specification: 02/14/06

Page 2 of 2

Typical Electrical Performance (T=25°C)



Johanson Technology, Inc. reserves the right to make design changes without notice.
All sales are subject to Johanson Technology, Inc. terms and conditions.



www.johansontechnology.com

931 Via Alondra • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2003 Johanson Technology, Inc. All Rights Reserved

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Signal Conditioning](#) category:

Click to view products by [Johanson](#) manufacturer:

Other Similar products are found below :

[MAPDCC0004](#) [PD0409J5050S2HF](#) [880157](#) [HHS-109-PIN](#) [DC1417J5005AHF](#) [DC4859J5005AHF](#) [AFS14A30-2185.00-T3](#) [AFS14A35-1591.50-T3](#) [DS-323-PIN](#) [DSS-313-PIN](#) [B39321R801H210](#) [B39321R821H210](#) [B39921B4317P810](#) [1A0220-3](#) [2089-6207-00](#) [JP510S](#) [LFB212G45SG8C341](#) [LFB322G45SN1A504](#) [LFL182G45TC3B746](#) [SF2159E](#) [30057](#) [1P510S](#) [CER0813B](#) [3A325](#) [40287](#) [41180](#) [ATB3225-75032NCT](#) [B69842N5807A150](#) [BD0810N50100AHF](#) [BD2326L50200AHF](#) [BD2425J50200AHF](#) [HMC189AMS8TR](#) [C5060J5003AHF](#) [JHS-114-PIN](#) [JP503AS](#) [DC0710J5005AHF](#) [DC2327J5005AHF](#) [DC3338J5005AHF](#) [43020](#) [LFB2H2G60BB1C106](#) [LFL15869MTC1B787](#) [X3C19F1-20S](#) [XC3500P-20S](#) [10013-20](#) [SF2081E](#) [SF2194E](#) [SF2238E](#) [CDBLB455KCAX39-B0](#) [RF1353C](#) [PD0922J5050D2HF](#)