



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"

UWB (3.1 - 7.16 GHz) Band Pass Filter

P/N 5130BP18U4060

Detail Specification: 02/14/06

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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

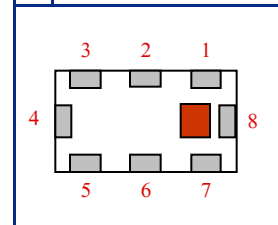
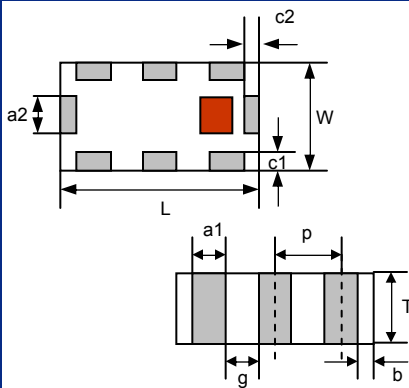
P/N Suffix	Packaging Style	Bulk	Suffix = S	Eg. 5130BP18U4060S
		T & R	Suffix = E	Eg. 5130BP18U4060E
	Termination Style	100% Tin	Suffix = None	Eg. 5130BP18U4060(E or S)
		Tin / Lead	Suffix = /Pb	Eg. 5130BP18U4060(E or S)/Pb

Terminal Configuration

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

Mechanical Dimensions

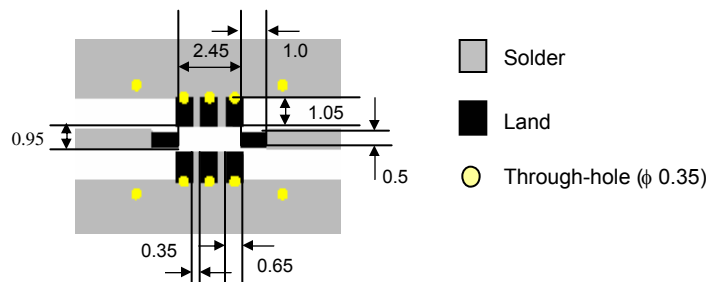
	In	mm
L	0.126 ± 0.006	3.20 ± 0.15
W	0.063 ± 0.006	1.60 ± 0.15
T	0.037 ± 0.004	0.95 ± 0.10
a1	0.022 ± 0.006	0.55 ± 0.15
a2	0.020 ± 0.006	0.50 ± 0.15
b	0.012 +.004/-0.008	0.30 +0.1/-0.2
c1	0.012 ± 0.006	0.30 ± 0.15
c2	0.012 ± 0.008	0.30 ± 0.20
g	0.016 ± 0.006	0.40 ± 0.15
p	0.039 ± 0.004	1.00 ± 0.10



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.
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www.johansontechology.com

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"High Frequency Ceramic Solutions"

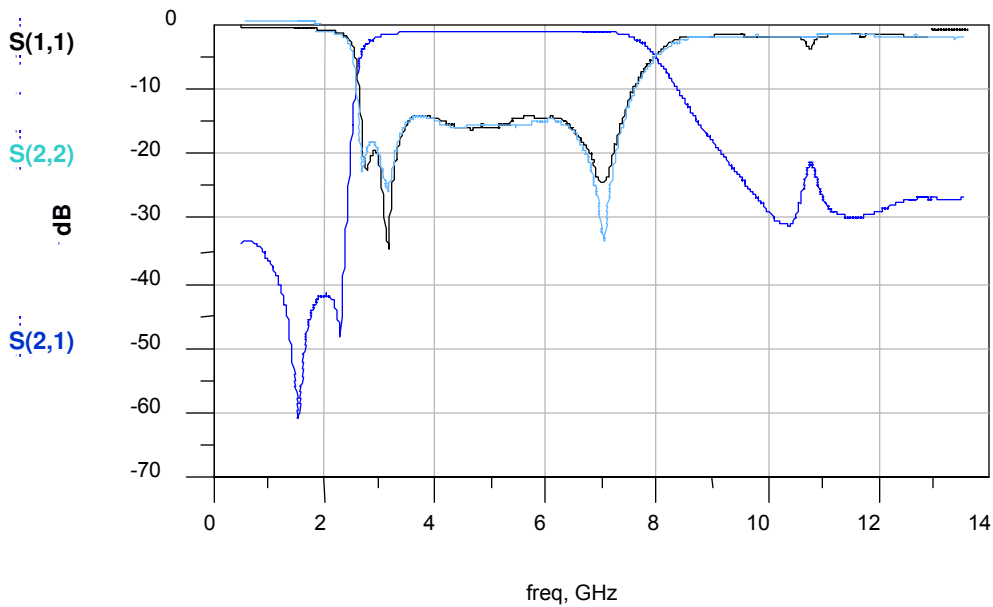
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Typical Electrical Performance (T=25°C)



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