

"High Frequency Ceramic Solutions"

5.5 GHz (Automotive Satellite) Band Pass Filter

P/N 5515BP15C1020

Detail Specification: 06/30/2011

Page 1 of 2

General Specifications

Part Number	5515BP15C1020	
Frequency (MHz)	4900 - 5920	
Insertion Loss	1.5 dB max.	
Return Loss	9.5 dB min.	
Attenuation (min.)	3500 MHz	30 dB

Input Power	500 mW max.
Impedance	50 Ω
Operating Temperature	-40 to +85°C
Storage Temperature	-40 to +85°C
Reel Quantity	4000

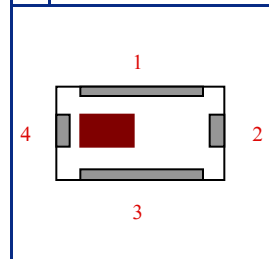
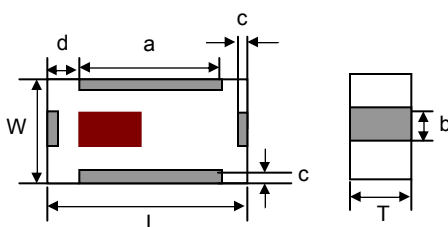
P/N	Packaging	Bulk	Suffix = S	Eg. 5515BP15C1020S
	Style	T & R	Suffix = E	Eg. 5515BP15C1020E
	Termination	100% Tin	Suffix = None	Eg. 5515BP15C1020(E or S)
	Style	Tin / Lead	Suffix = /Pb	Consult Factory

Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

Mechanical Dimensions

	In	mm
L	0.079 $\pm$ 0.006	2.00 $\pm$ 0.15
W	0.049 $\pm$ 0.004	1.25 $\pm$ 0.10
T	0.035 $\pm$ 0.004	0.90 $\pm$ 0.10
a	0.051 $\pm$ 0.006	1.30 $\pm$ 0.15
b	0.012 $\pm$ 0.006	0.30 $\pm$ 0.15
c	0.010 $\pm$ 0.006	0.25 $\pm$ 0.15
d	0.014 $\pm$ 0.006	0.35 $\pm$ 0.15

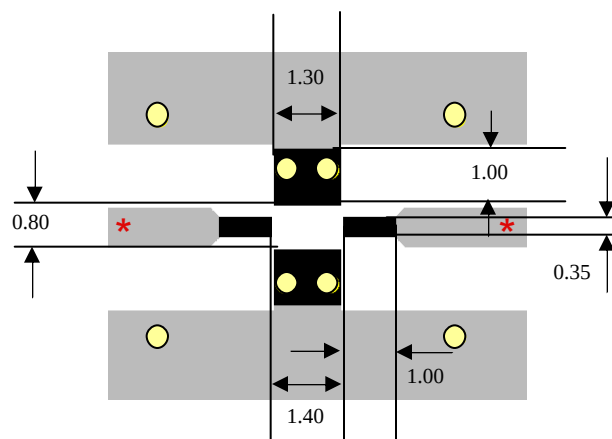


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



Solder Resist

Land

Through-hole (ϕ 0.35)

DC Path Internal Connections:
Pins: 1-2-3-4*

*See page two for internal layout and recommended DC block cap

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

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2011 Johanson Technology, Inc. All Rights Reserved

"High Frequency Ceramic Solutions"

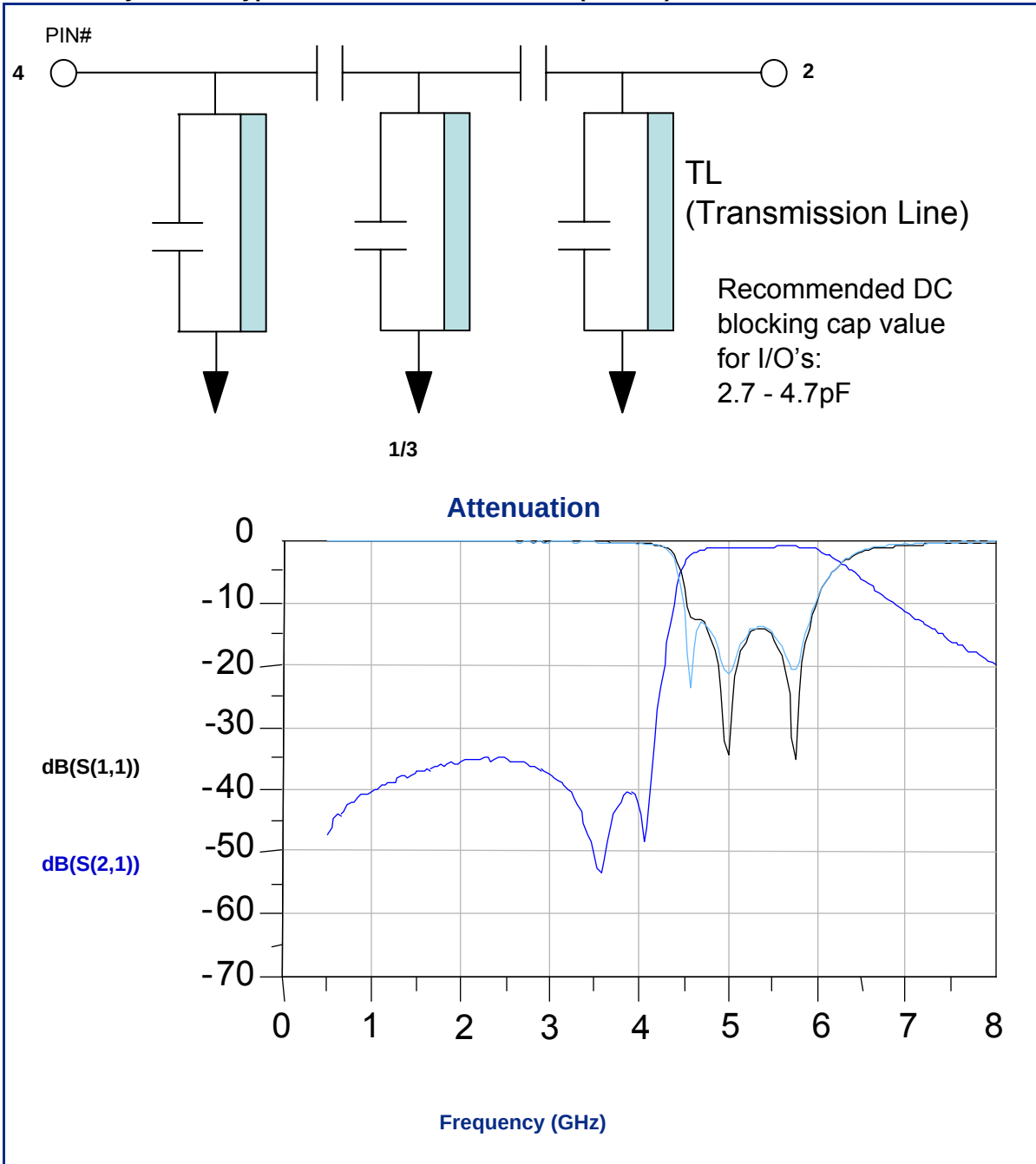
5.5 GHz (Automotive Satellite) Band Pass Filter

P/N 5515BP15C1020

Detail Specification: 06/30/2011

Page 2 of 2

Internal Layout and 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

4001 Calle Tecate • Camarillo, CA 93012 • TEL 805.389.1166 FAX 805.389.1821

2011 Johanson Technology, Inc. All Rights Reserved