

"High Frequency Ceramic Solutions"

4.02 GHz Band Pass Filter (UWB High Rejection BPF)

P/N 4020BP39A0160

Detail Specification: 10/22/12

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General Specifications

Part Number	4020BP39A0160
Frequency (MHz)	3940 ~ 4100
Insertion Loss	4 dB max.
Return Loss	20.8 dB max.
Attenuation (dB)	34 dB @ < 2540 MHz
	14 dB @ 3480 MHz
	14 dB @ 3480 MHz
	34 dB @ 5150 - 5350 MHz

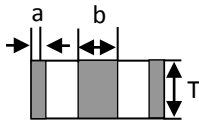
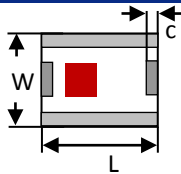
Impedance	50 Ω
Input Power	500 mW max.
Operating Temperature	-40 to +85°C
Storage Temperature	+5 to +35°C, Humidity 45~75%RH, 18 mos. Max
Reel Quantity	3,000
MSL	1

Part Number Explanation

P/N Suffix	Packing Style	Bulk	Suffix = S	eg. 4020BP39A0160S
		T & R	Suffix = E	eg. 4020BP39A0160E
	Termination style	100% Tin	Suffix = None	eg. 4020BP39A0160 (E or S)
	Evaluation Board	4020BP39A0160-EBSMA		

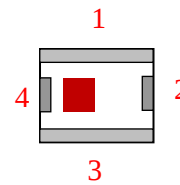
Mechanical Dimensions

	In	mm
L	0.098 $\pm$ 0.008	2.50 $\pm$ 0.20
W	0.079 $\pm$ 0.008	2.00 $\pm$ 0.20
T	0.043 $\pm$ 0.004	1.10 $\pm$ 0.10
a	0.012 $\pm$ 0.008	0.30 $\pm$ 0.20
b	0.024 $\pm$ 0.008	0.60 $\pm$ 0.20
c	0.012 $\pm$ 0.008	0.30 $\pm$ 0.20



Terminal Configuration

No.	Function
1	GND
2	OUT
3	GND
4	IN

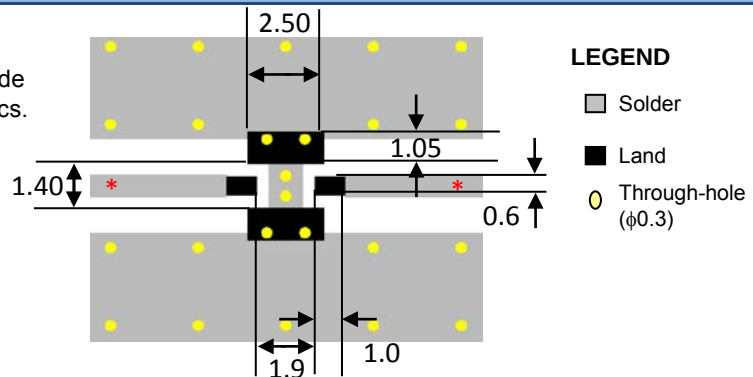


Mounting Considerations

Mount these devices with brown mark facing up.

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

Units: mm



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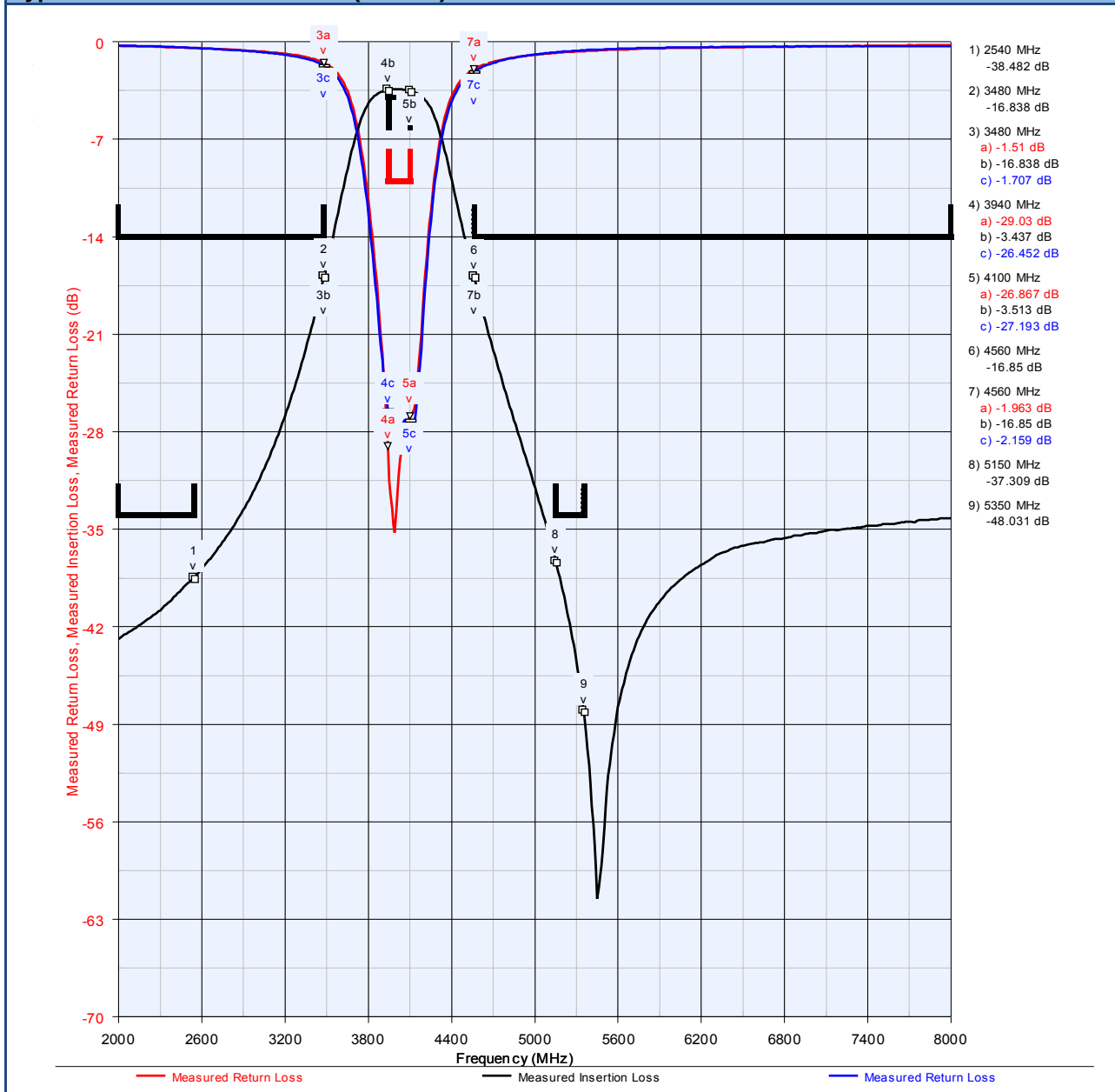
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Typical Electrical Performance (T=25°C)



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www.johansontechnology.com

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

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AMEYA360

Components Supply Platform

Authorized Distribution Brand :



Website :

Welcome to visit www.ameya360.com

Contact Us :

➤ Address :

401 Building No.5, JiuGe Business Center, Lane 2301, Yishan Rd
Minhang District, Shanghai , China

➤ Sales :

Direct +86 (21) 6401-6692

Email amall@ameya360.com

QQ 800077892

Skype ameyasales1 ameyasales2

➤ Customer Service :

Email service@ameya360.com

➤ Partnership :

Tel +86 (21) 64016692-8333

Email mkt@ameya360.com