

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!



### Contact us

Tel: +86-755-8981 8866 Fax: +86-755-8427 6832

Email & Skype: info@chipsmall.com Web: www.chipsmall.com

Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China







### 5.24GHz High Rejection UNII-low Band Pass Filter

P/N 5235CR45A0180

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General Specifications		
Part Number	5235CR45A0180	
Operating Passband Freq.	5150 - 5330 MHz	
Insertion loss 1 (5150-5320MHz)	1.8 typ. (2.4 max.) dB	
Insertion loss 2 (5320-5330MHz)	2.1 typ. (2.5 max.) dB	
Return Loss (dB)	10 min.	
Ripple in bandwidth (dB)	1.3 max.	
Power Capacity (W)	1 max. (CW)	



Top View

Side View



Attenuation (dB)		Reel Quantity	1,000 pcs
30 - 2700 MHz	55 typ. (45 min.)	Operating Temperature	-40 to +100°C
3453 - 3547 MHz	48 typ. (42 min.)	Storage Temperature	-40 to +100°C
3667 - 3883 MHz	45 typ. (40 min.)	Recommended Storage Conditions for unused T&R	+5 ~ +35 °C, Humidity 45~75%RH, 18
5490 - 5850 MHz	52 typ. (50 min.)	product	months. 1 week max after opened.

For more info go to www.johansontechnology.com/silverleads

You can download measured s-parameters of this component at: www.johansontechnology.com/band-pass-filters

Part Number Explanation				
Packaging Style	Bulk	Suffix = S	E.g. 5235CR45A0180S	
	Packaging Style	T&R	Suffix = T	E.g. 5235CR45A0180E
Suffix	Termination Style	Silver	Suffix = None	E.g. 5235CR45A0180(E or S)
	<b>Evaluation Board</b>	50Ω SMA	Suffix = EB1SMA	E.g. 5235CR45A0180-EB1SMA

Me	chanical Dimer	nsions	
	ln	mm	d N
L	0.337 ± 0.010	8.56 ± 0.25	C
W	0.152 ± 0.010	3.85 ± 0.25	<u> </u>
Т	0.114 ± 0.010	2.90 ± 0.25	$f \downarrow e \downarrow$
а	0.156 ± 0.010	3.95 ± 0.25	<del>V</del>   W
b	0.195 ± 0.010	4.95 ± 0.25	
С	0.278 ± 0.010	7.05 ± 0.25	<b>→</b>
d	0.317 ± 0.010	8.05 ± 0.25	L ''
е	0.053 ± 0.010	1.35 ± 0.25	
f	0.077 ± 0.010	1.95 ± 0.25	
			Г ОООО  Т
			<u> </u>

Ter	Terminal Configuration		
No.		Funct	ion
1		IN/O	UT
2	GND		
3	GND		
4	GND		
5	IN/OUT		
	2	3	(5) (4)
		-	e bottom of

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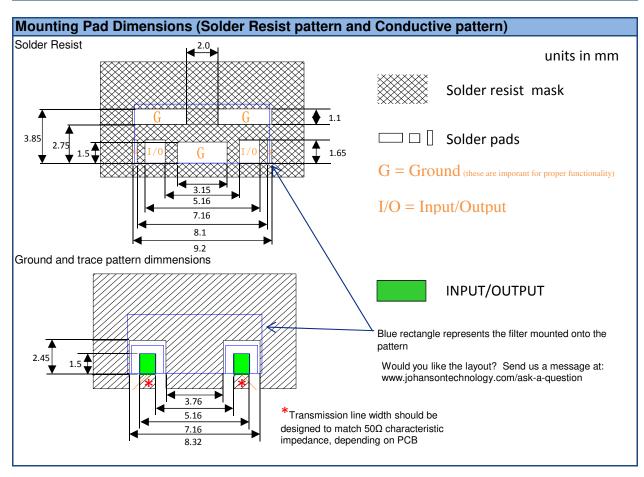
www.johansontechnology.com

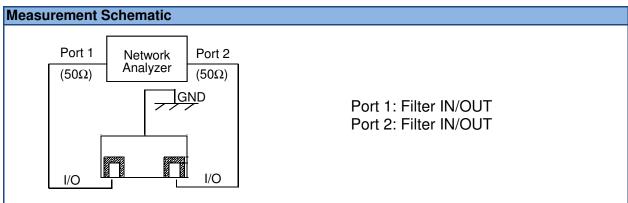
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P/N 5235CR45A0180

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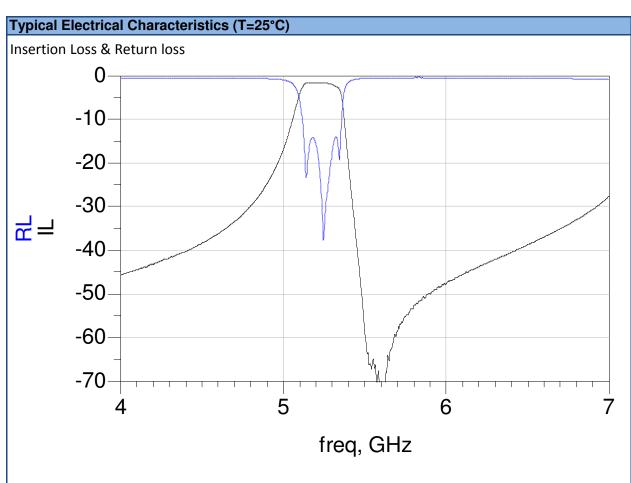




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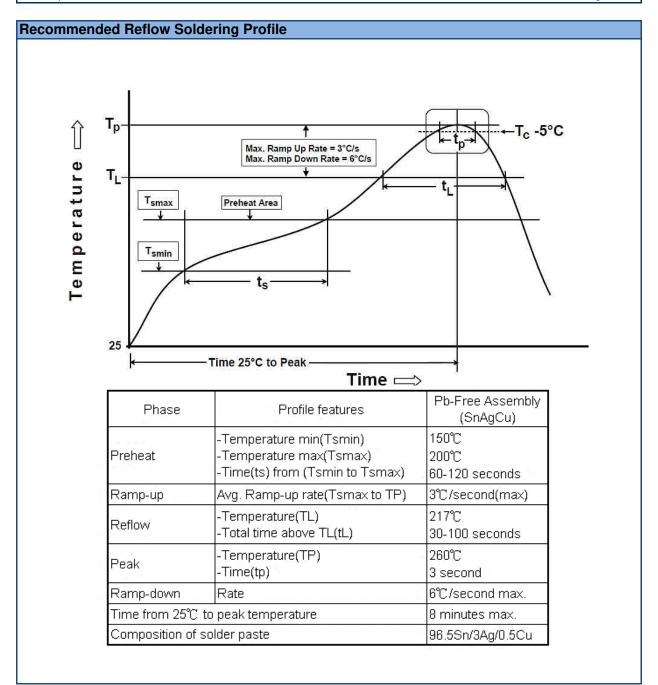
Do you need the S-parameter file of the above? Send us a message at: www.johansontechnology.com/ask-a-question



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#### 5.24GHz High Rejection UNII-low Band Pass Filter

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#### Application Notes, Layout Files, and more

www.johansontechnology.com/band-pass-filters

#### Packaging information

www.johansontechnology.com/tape-reel-packaging

#### Soldering Information

www.johansontechnology.com/ipcsoldering-profile

#### MSL Info

www.johansontechnology.com/msl-rating

#### **Recommended Storage Condition and Max Shelf Life**

www.johansontechnology.com/recommended-storage-conditions

#### **RoHS Compliance**

www.johansontechnology.com/technical-notes/rohs-compliance

#### Antenna layout and tuning techniques

www.johansontechnology.com/tuning.html

#### Antenna layout review, tuning, and characterization services

www.johansontechnology.com/ipc-antenna-services

