

SPEC NO.	SP010S52500-0030	ISSUED DATE	2023.09.21	PUBLISHED BY
PRODUCT NAME	S 5250C	VERSION	01	
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SPECIFICATION

SPEC NO. : SP010S52500-0030

PART NO. : 01C52501S01411T

PRODUCT NAME : S 5250C

DESCRIPTION : BAW Filter

ROHS Compliant Product

REVISION STATUS

VERSION	DATE	PAGE	REVISION DESCRIPTION	PREPARED	CHECKED	APPROVED
01	2023.09.21	A11	NEW	曾靳毅		劉靖廷

Prepared By	Checked By	Approved By
曾靳毅		劉靖廷



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## **CIROCOMM TECHNOLOGY CORP.**

### **A. MAXIMUM RATING:**

Electrostatic Sensitive Device (ESD)

1. Maximum Input Power: 28 dBm
2. DC Voltage: 3 V
3. Operating temperature: -20 °C to +95 °C
4. Storage temperature: -20 °C to +95 °C
5. Moisture Sensitivity Level: Level 3 (MSL 3)

### **B. ELECTRICAL CHARACTERISTICS:**

Item			Unit	Min	Typ	Max	Remarks
Center frequency			MHz		5250		
Insertion Loss		5170~5330 MHz	dB		1.3	1.7	(*3)
Ripple		5170~5330 MHz	dB	-	0.4	0.8	
VSWR	Input	5170~5330 MHz	-	-	1.3	1.7	
	Output		-	-	1.3	1.7	
Attenuation		30~2400 MHz	dB	30	37	-	
		2400~2500 MHz	dB	30	37	-	
		2500~3000 MHz	dB	30	34	-	
		3400~3800 MHz	dB	30	37	-	
		3800~4900 MHz	dB	30	37	-	
		5490~5850 MHz	dB	60	65	-	
		7203~7500 MHz	dB	20	25	-	
		10300~11800 MHz	dB	17	22	-	

\*1. Min/Max specifications are guaranteed over the indicated temperature range (unless otherwise noted).

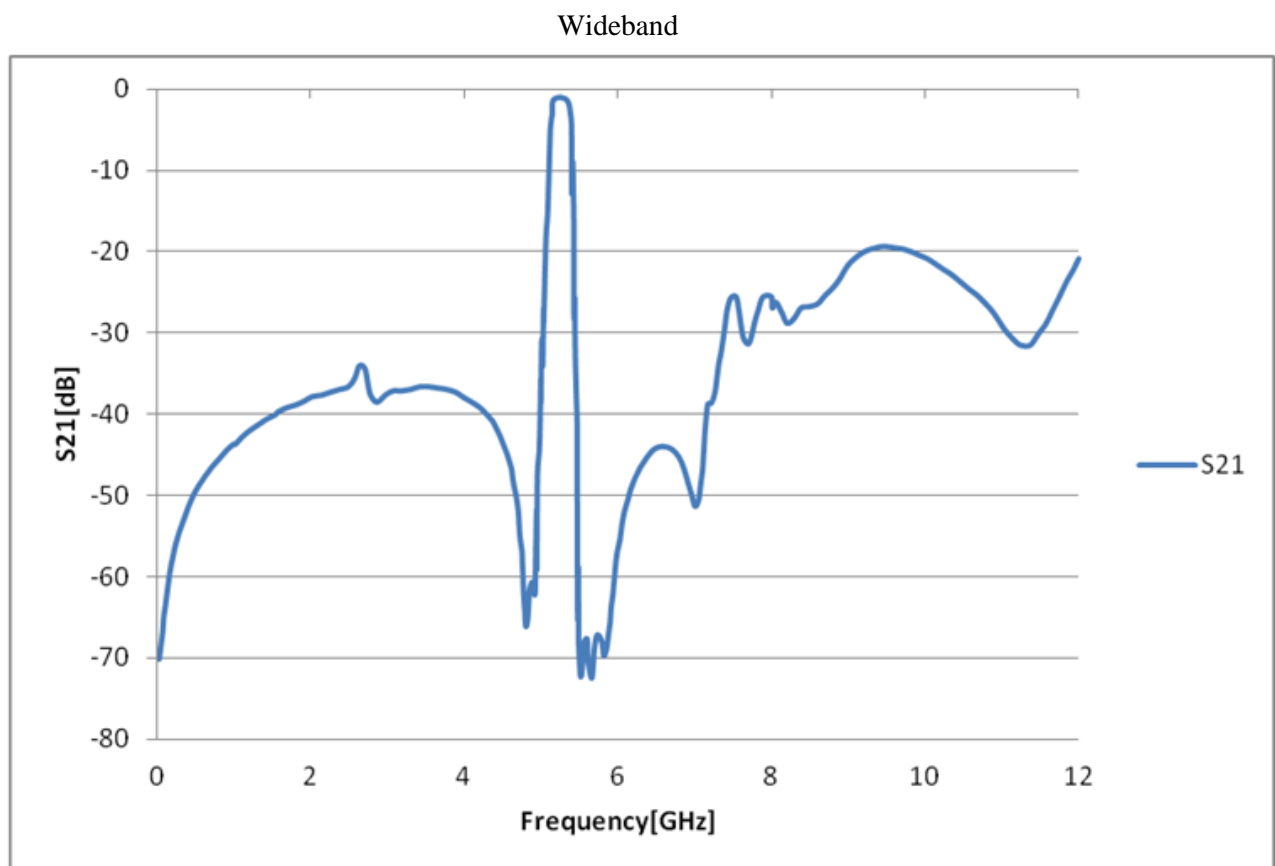
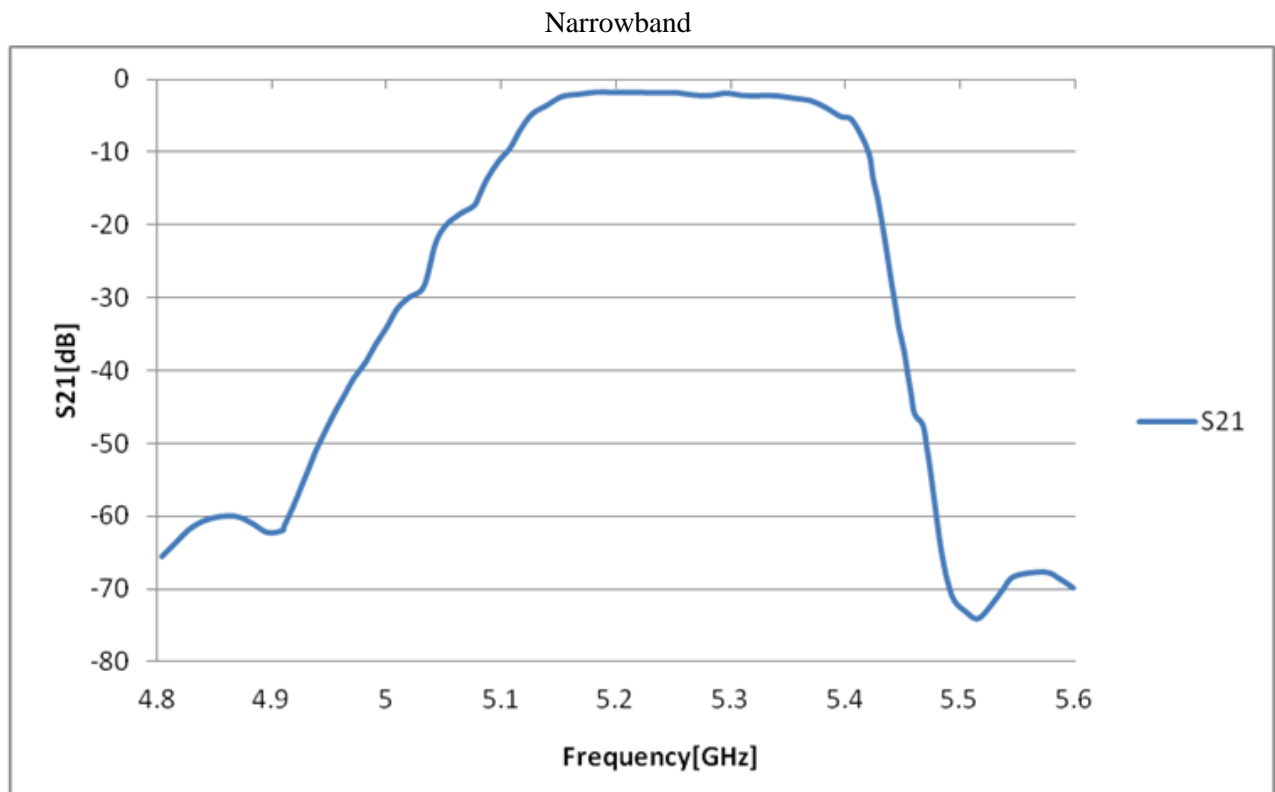
\*2. Typical values are based on average measurements at + 25 °C

\*3. Integrated IL referenced to 0dB. 160MHz bandwidth



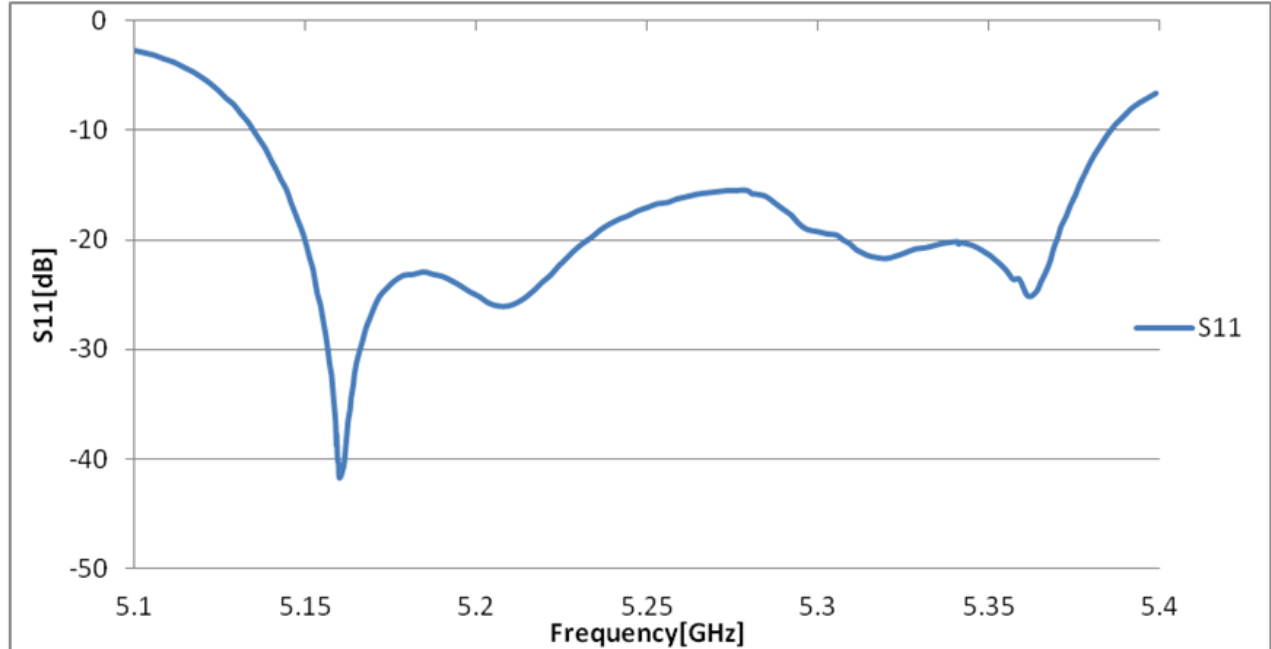
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### C. FREQUENCY CHARACTERISTICS:

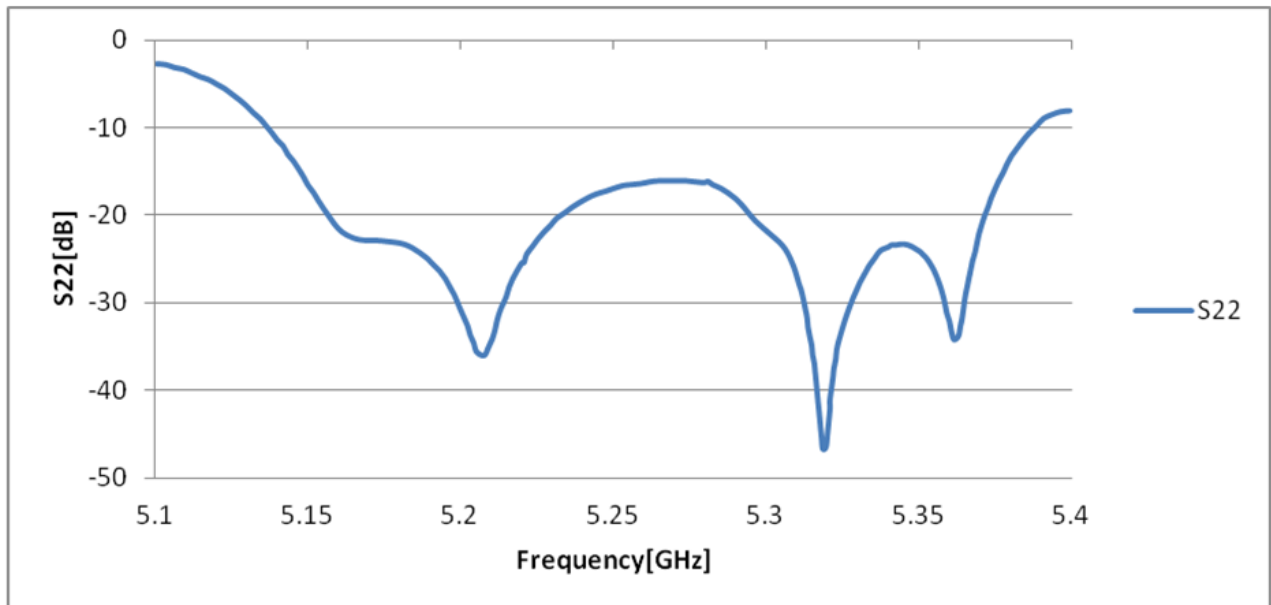


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Input return loss

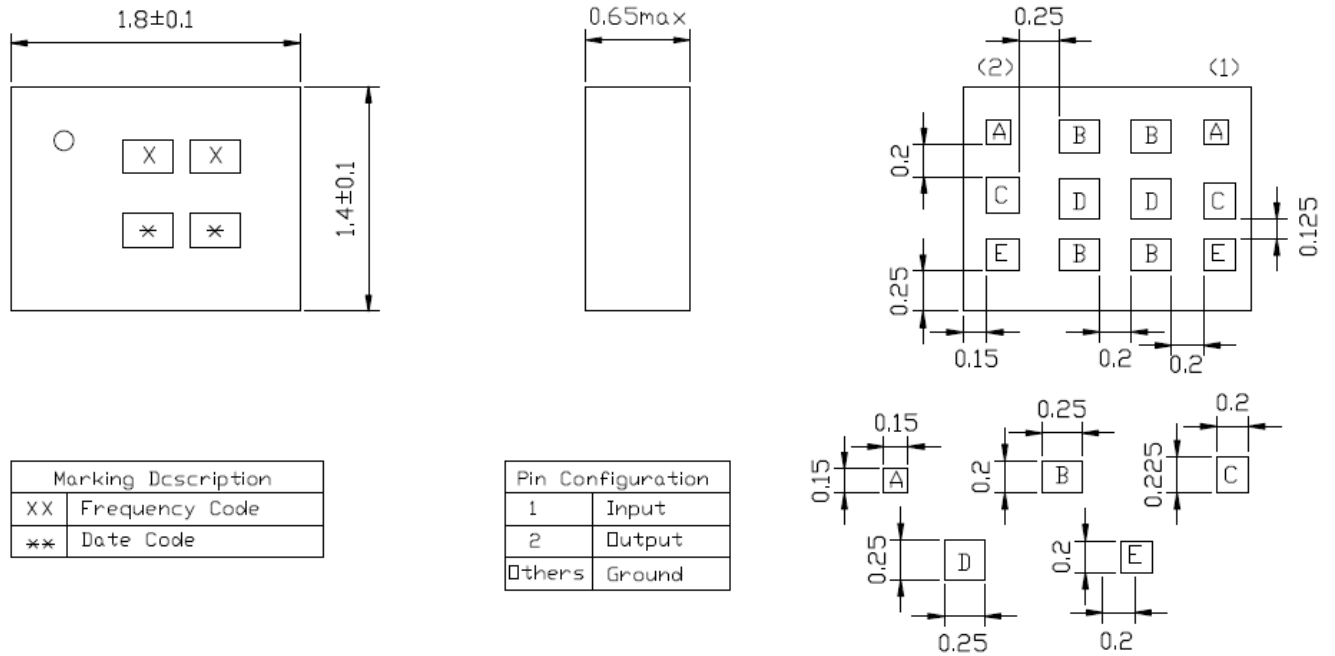


Output return loss

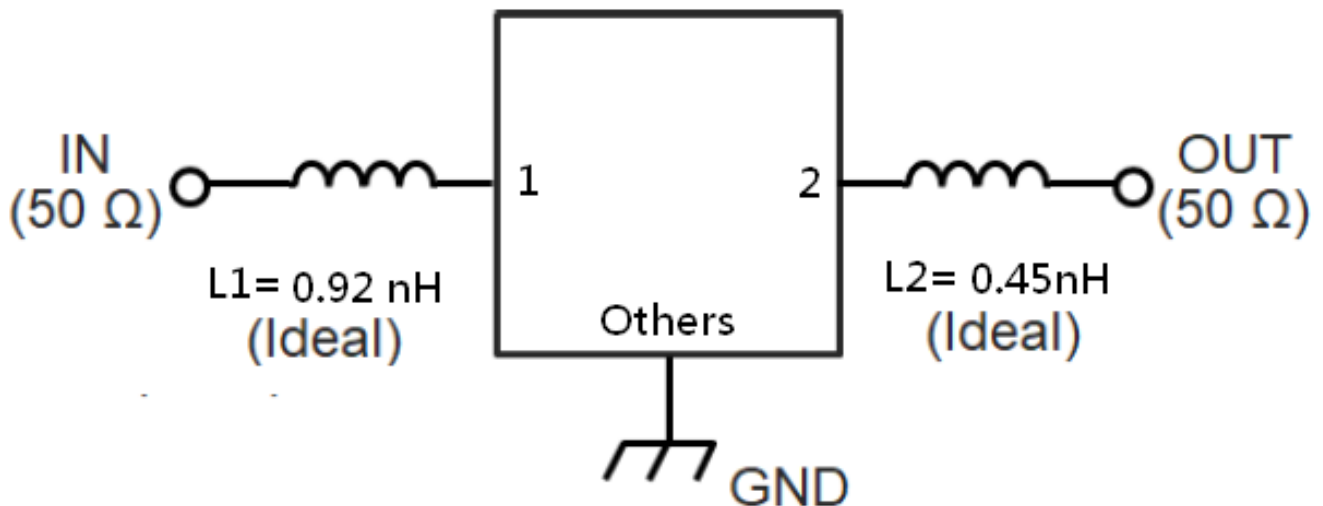


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#### D. OUTLINE DRAWING:



#### E. MEASUREMENT CIRCUIT:



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## **H . RECOMMENDED REFLOW PROFILE:**

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

