

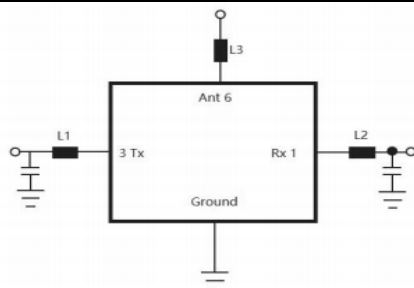
	4900-5950	dB	30	45	-
Attenuation (758-803)	10-699	dB	45	53	-
	699-703	dB	50	58	-
	703-748	dB	50	56	-
	814-849	dB	13	19	-
	824-849	dB	40	48	-
	832-862	dB	35	43	-
	880-915	dB	40	47	-
	1710-1785	dB	45	55	-
	1850-1910	dB	45	55	-
	1920-1980	dB	45	55	-
	2400-2484	dB	45	52	-
	2496-2690	dB	45	52	-
	4900-5950	dB	30	40	-
	703-748	dB	50	53	-
	758-803	dB	50	54	-
Isolation					
Operation Temperature	-20°C~+85°C	°C	-	-	-
Storage Temperature	-40°C~+85°C	°C	-	-	-
RF Power Dissipation	+29	dBm	-	-	-

Remark

Note 1: Test Temperature: 25°C±2°C

Note 2: Terminating source impedance: 50Ω. Terminating load impedance: 50Ω

(3)Test Circuit



Port	Matching Component
Tx	L1: 17.8 nH (Ideal inductor) C1: 0.35 pF (Ideal capacity)
Rx	L2: 12.5 nH (Ideal inductor) C2: 0.30 pF (Ideal capacity)
Ant	L3: 90 nH (Ideal inductor)

Figure 1 Electrical Characteristics: Tx to Ant.

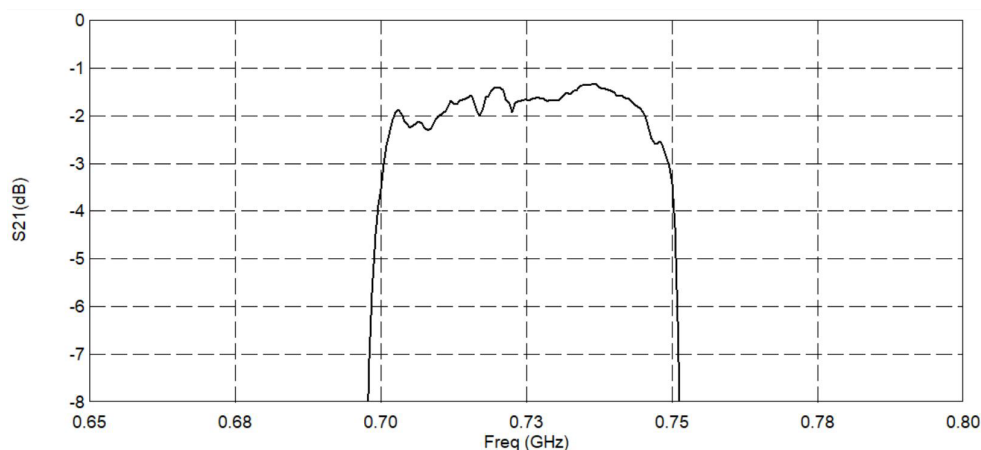


Figure 2 Electrical Characteristics: Tx to Ant.

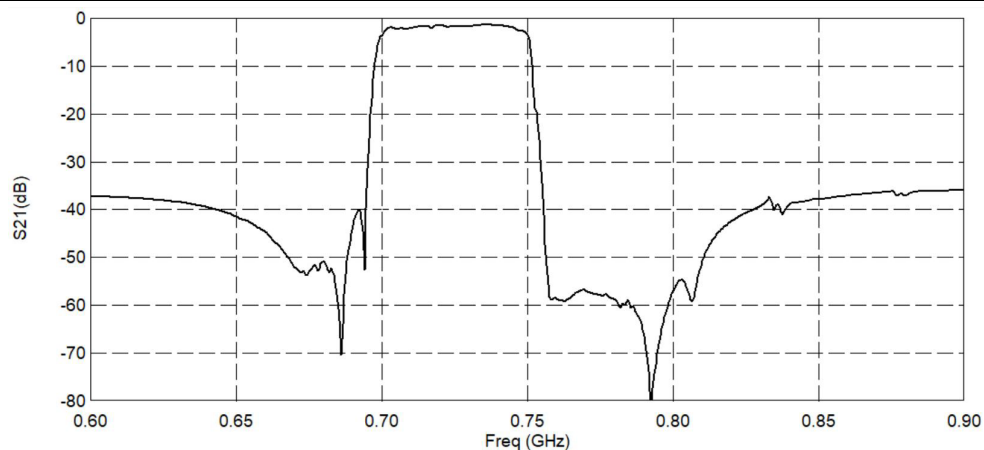


Figure 3 Electrical Characteristics: Tx to Ant.

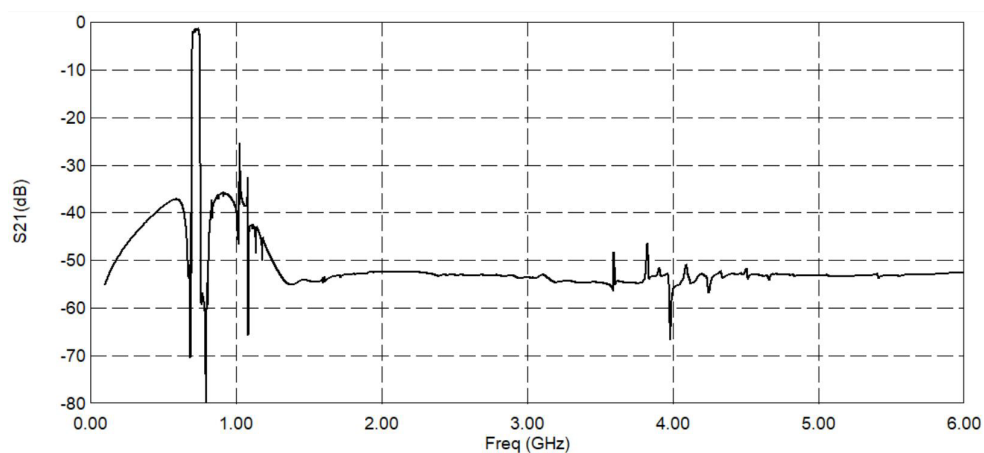


Figure 4 Electrical Characteristics: Ant to Rx.

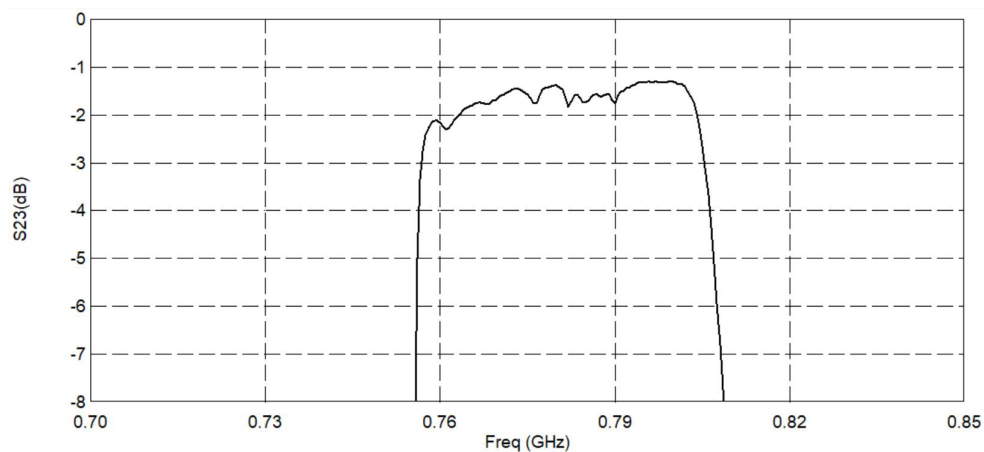


Figure 5 Electrical Characteristics: Ant to Rx.

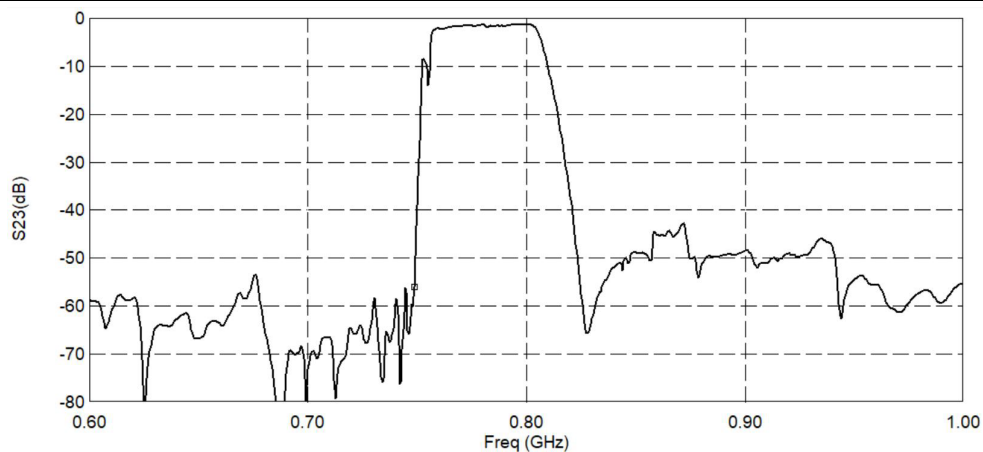


Figure 6 Electrical Characteristics: Ant to Rx.

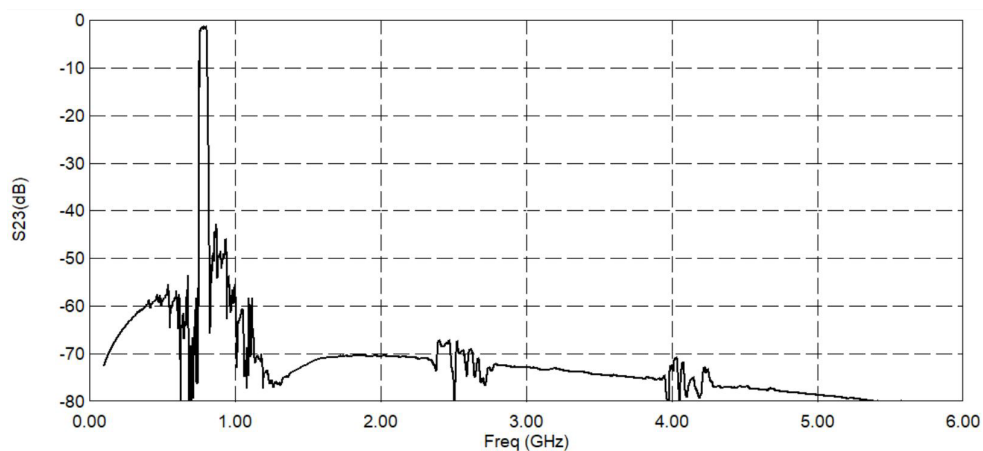


Figure 7 Electrical Characteristics: Tx to Rx.

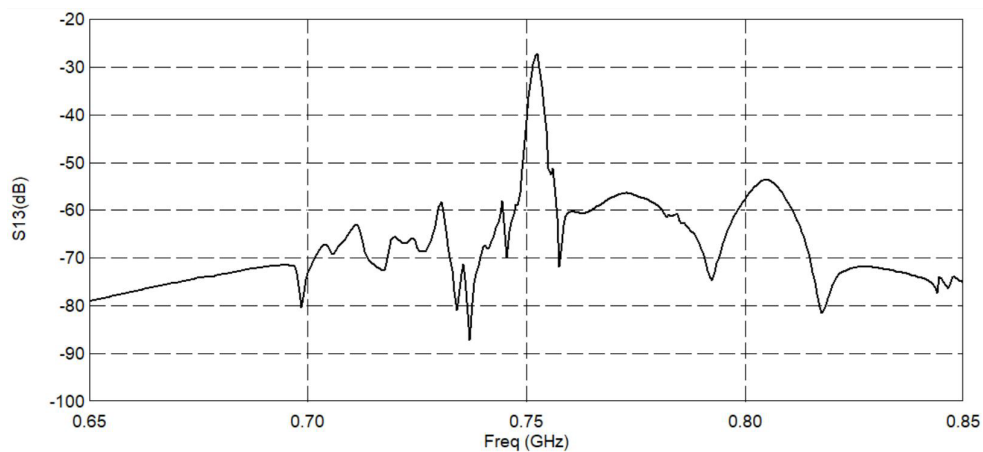


Figure 8 Electrical Characteristics: Tx to Rx.

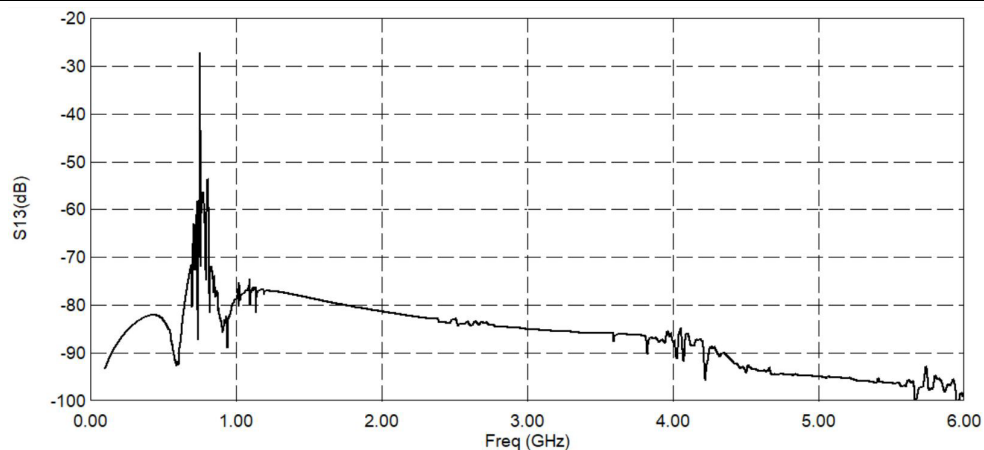
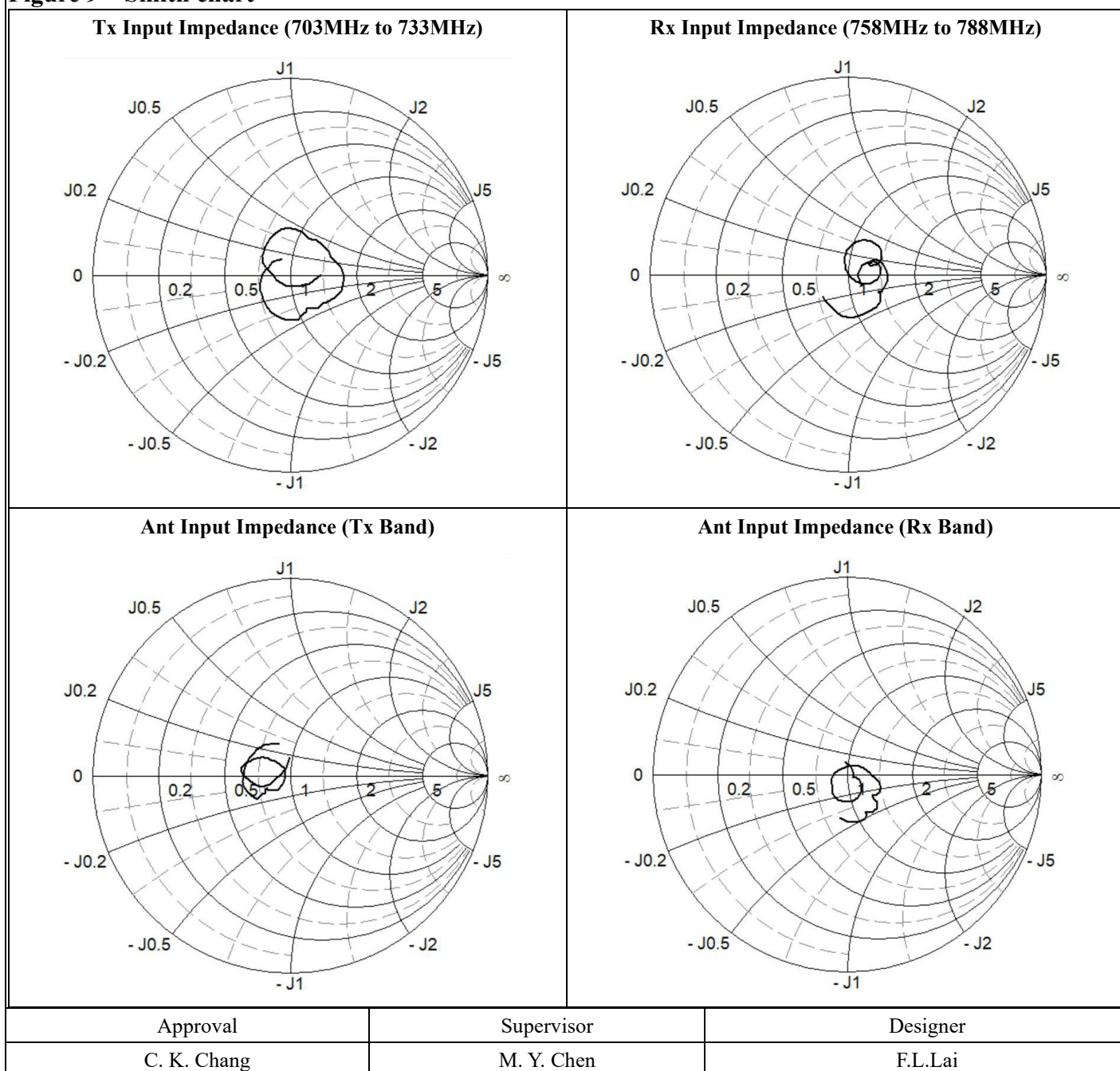
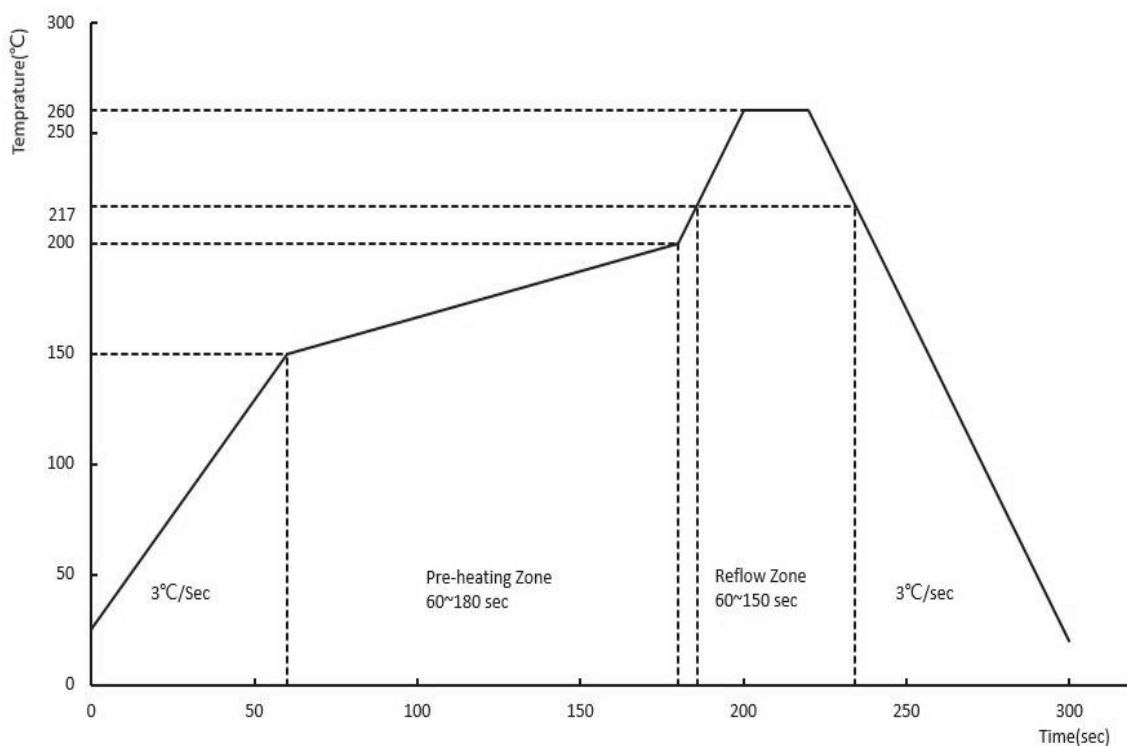


Figure 9 Smith chart



Recommended SMT Solder Profile



Reliability

No.	Test item	Test condition	
1	Temperature Storage	Temperature: 85°C±2°C , Duration: 250h , Recovery time: 2h±0.5h Temperature: -40°C±3°C , Duration: 250h ,Recovery time: 2h±0.5h	
2	Humidity Test	Conditions: 60°C±2°C ,90~95%RH	Duration:250h
3	Thermal Shock	Heat cycle conditions: TA=-40°C±3°C, TB=85°C±2°C, t1=t2=30min, Switch time: ≤3min, Cycle time: 100 times, Recovery time: 2h±0.5h.	
4	Vibration Fatigue	Frequency of vibration:10~55Hz Directions: X,Y and Z	Amplitude:1.5mm Duration: 2h
5	Drop Test	Cycle time:10times	Height:1.0m
6	Solder Ability Test	Temperature:245°C±5°C Depth: DIP--2/3, SMD--1/5	Duration:3.0s--5.0s
7	Resistance to Soldering Heat	Thickness of PCB:1mm , Solder condition: 260°C±5°C , Duration:10±1s Temperature of Soldering Iron: 350°C±10°C, Duration: 3~4s, Recovery time : 2 ± 0.5h	