

SAW Filter 902.5MHz
Part No: MA04713

Model: TA0143A
Rev No: 3

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 0V
3. Operating Temperature: -25°C to +75°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Characteristics	Specification			Note
	Min.	Typ.	Max	
Center frequency Fc MHz	-	902.5	-	-
Insertion loss (890 ~ 915MHz) IL dB	-	2.9	3.5	-
VSWR (890 ~ 915MHz)	-	1.5	2.3	-
Ripple (890 ~ 915MHz) dB	-	0.5	1.5	-
Attenuation: (Reference level from 0dB)				
1. 0 ~ 845MHz dB	45	51.0	-	-
2. 925 ~ 935MHz dB	5	21.0	-	-
3. 935 ~ 980MHz dB	25	28.0	-	-
4. 980 ~ 1200MHz dB	50	56.0	-	-
5. 1200 ~ 3000MHz dB	25	28.0	-	-
Impedance at Fc				
Input $Z_{IN} = R_{IN} // C_{IN}$	50Ω // 0PF			1
Output $Z_{OUT} = R_{OUT} // C_{OUT}$	50Ω // 0PF			1

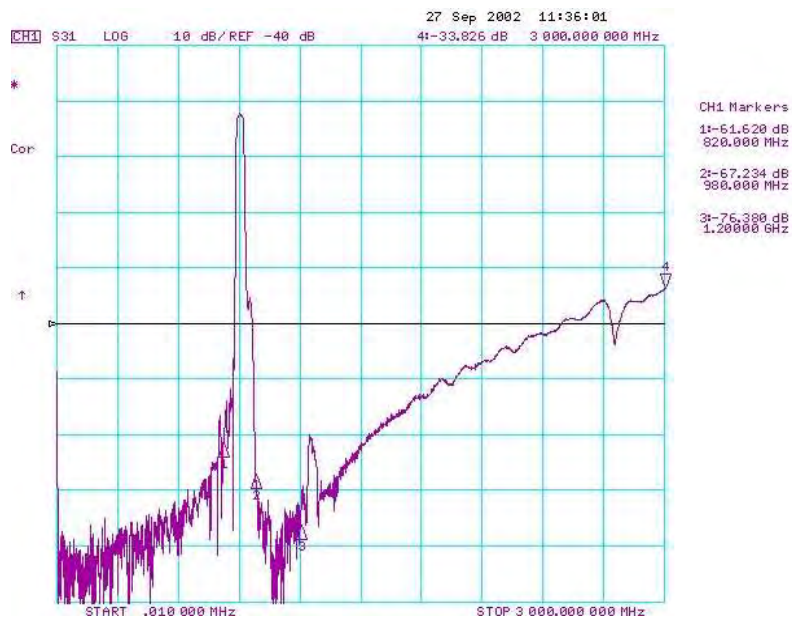
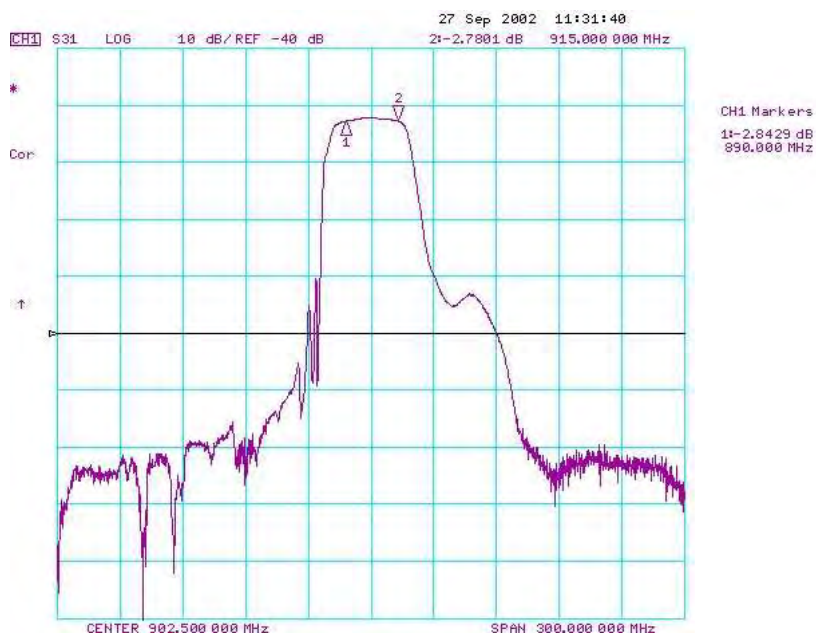
Note1. No matching network required for operation at 50 Ω

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C. FREQUENCY CHARACTERISTICS:

1. wide band of S21

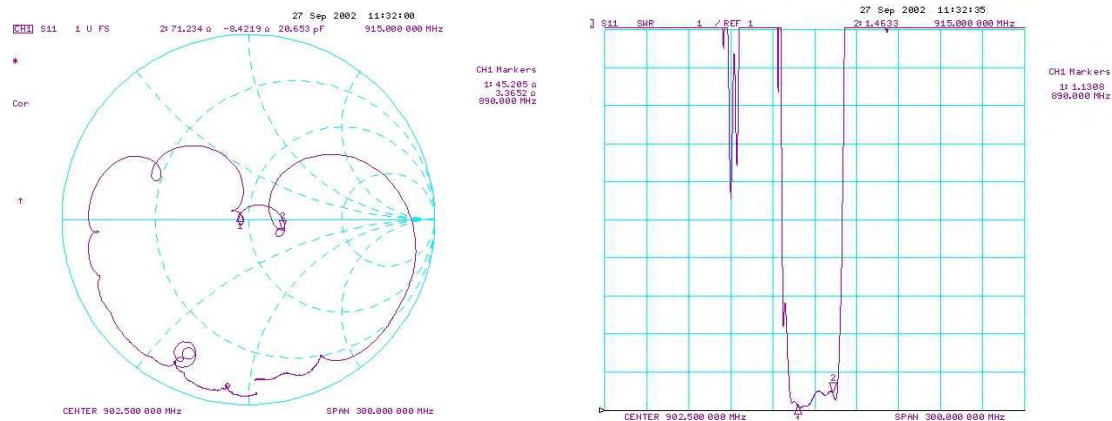


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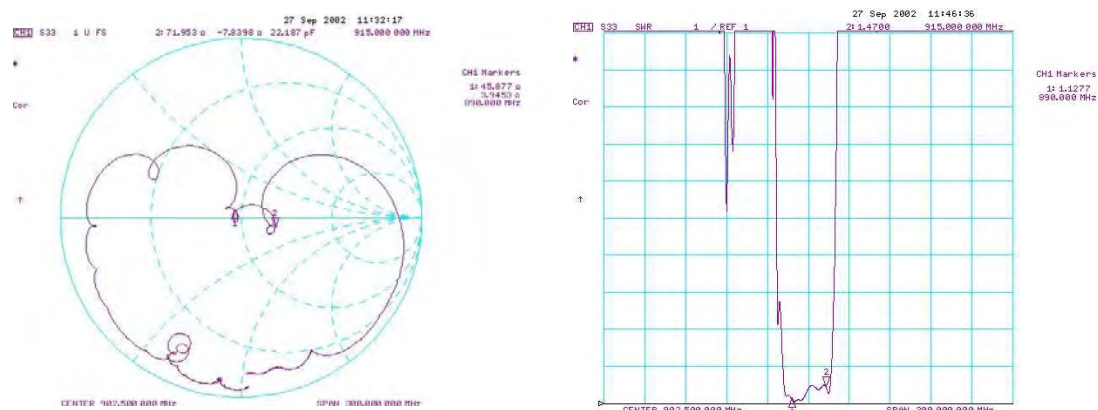
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2. Reflections Functions

S11



S22

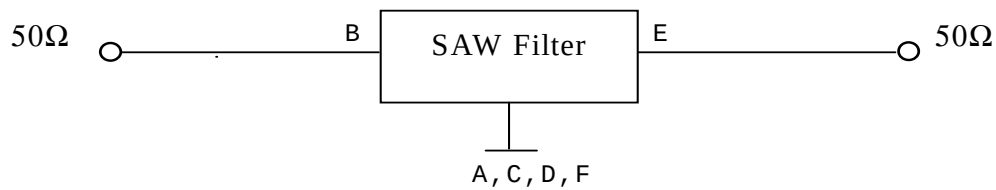


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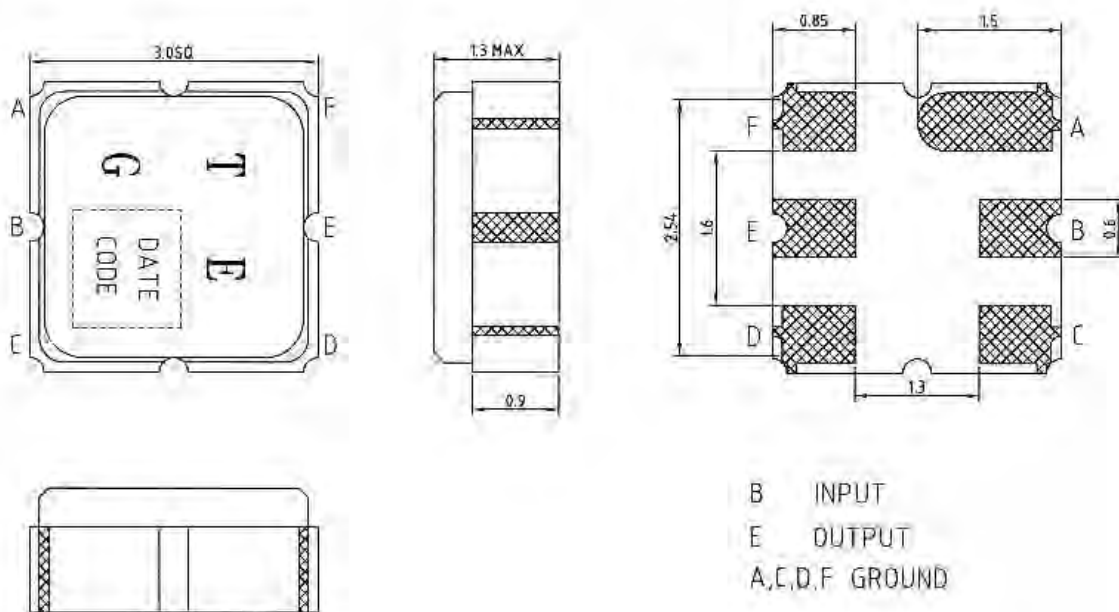
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D. MEASUREMENT CIRCUIT:

HP Network analyzer



E. OUTLINE DRAWING:



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