

SAW Filter 942.50MHz

Model: TA0179A

Part No: MA06342

Rev No: 2

A. MAXIMUM RATING:

1. Input Power Level: 15dBm
2. DC voltage: 0V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

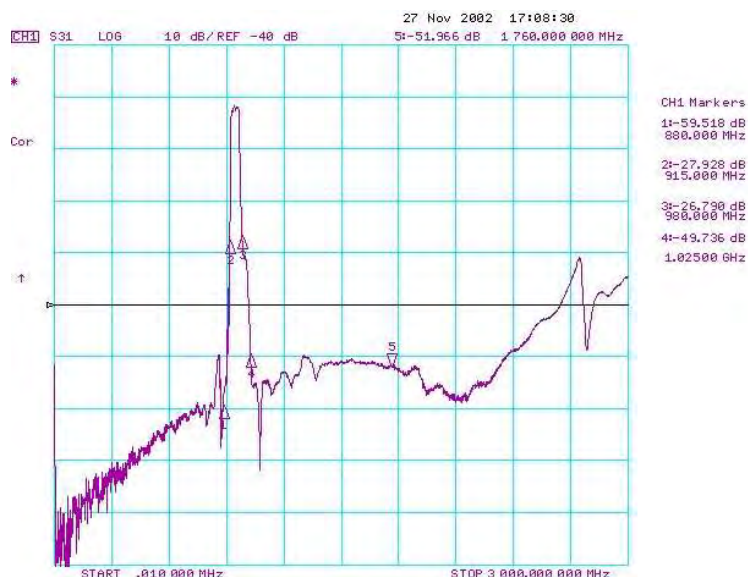
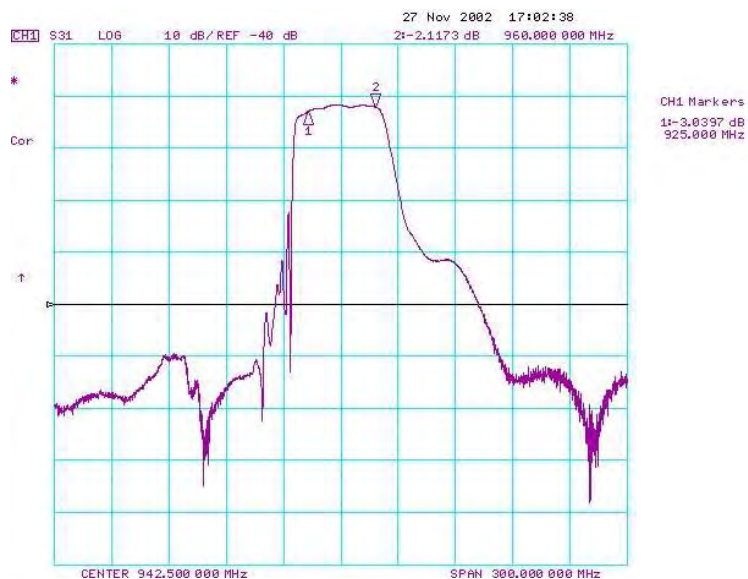
Characteristics	Specification			Note
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	942.5	-	-
Insertion loss 925 ~ 960MHz IL dB	-	3.0	4.0	-
Ripple 925 ~ 960MHz dB	-	1.3	2.3	-
VSWR 925 ~ 960MHz	-	2.0	2.6	-
Attenuation: (Reference level from 0dB)				
0 ~ 750MHz dB	50	60	-	-
750 ~ 880MHz dB	43	50	-	-
880 ~ 905MHz dB	31	42	-	-
980 ~ 1005MHz dB	21	28	-	-
1005 ~ 1025MHz dB	28	33	-	-
1025 ~ 1035MHz dB	35	49	-	-
1035 ~ 1760MHz dB	40	50	-	-
1760 ~ 3000MHz dB	25	31	-	-
Impedance at Fc: Input: $Z_{IN} = R_{IN} // C_{IN}$	50Ω // 0PF			1
Output: $Z_{OUT} = R_{OUT} // C_{OUT}$	50 Ω // 0PF			1

Note1. No matching network required for operation at 50Ω

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C. TRANSFER FUNCTION:

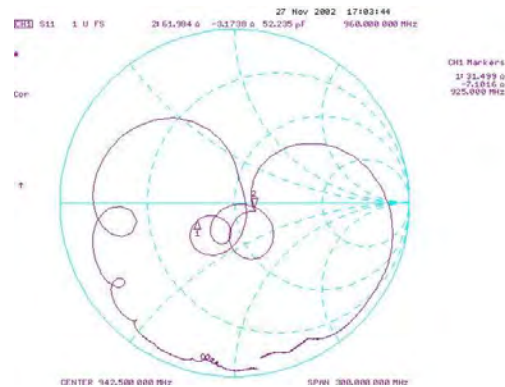
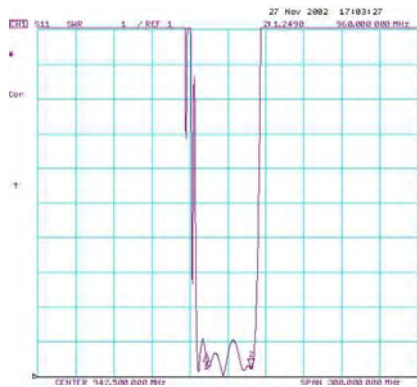


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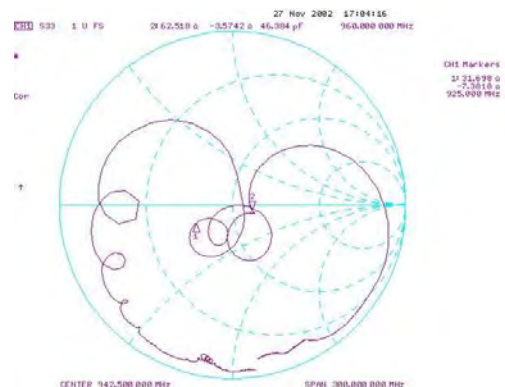
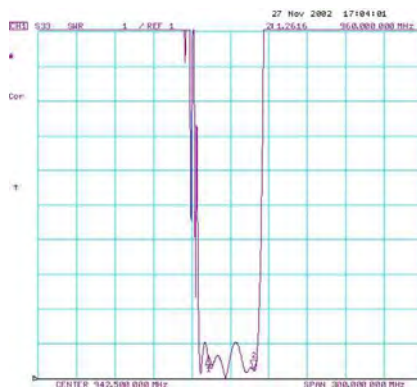
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Reflection functions

S11



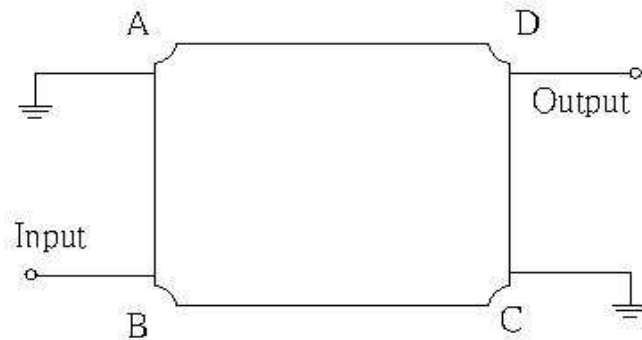
S22



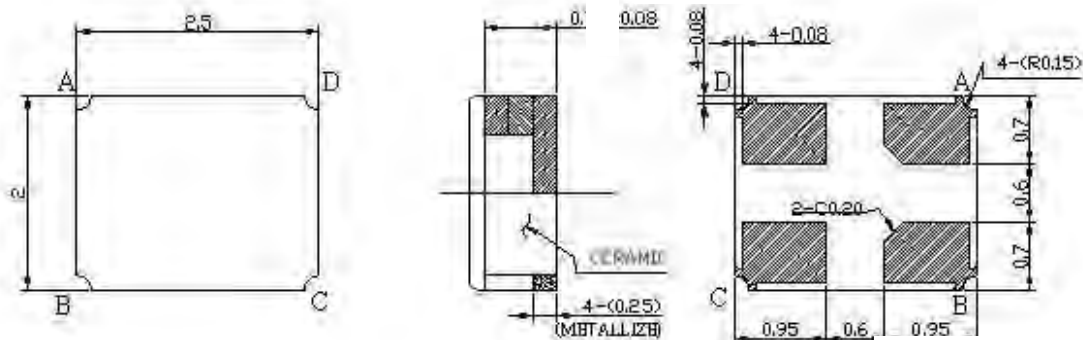
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D. MEASUREMENT CIRCUIT:



E. OUTLINE DRAWING:



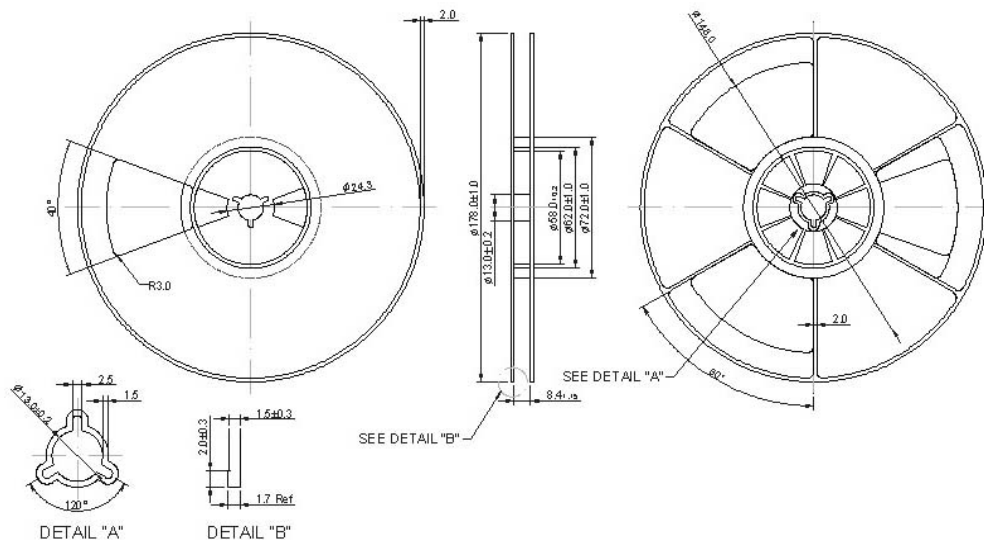
B: Input
 D: Output
 A, C: Ground
 Unit: mm

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F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

