

SAW Filter 1642.50MHz

Model: TA0788A

Part No: MA09739

Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 5dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +90°C
4. Storage Temperature: -51°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (dB)	-	1642.5	-
Insertion loss within 1625 ~ 1660MHz IL (dB)	-	2.1	3.5
Amplitude ripple (p-p) within 1625 ~ 1660MHz (dB)	-	0.9	2.0
Attenuation (Reference level from 0dB)			
DC ~ 1500MHz (dB)	21	28	-
1525 ~ 1559MHz (dB)	30	34	-
1700 ~ 2050MHz (dB)	30	33	-
2050 ~ 3500MHz (dB)	25	33	-
VSWR within 1625 ~1660MHz	-	1.5	2.3
Source impedance Z _s (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: No matching network required for operation at 50Ω

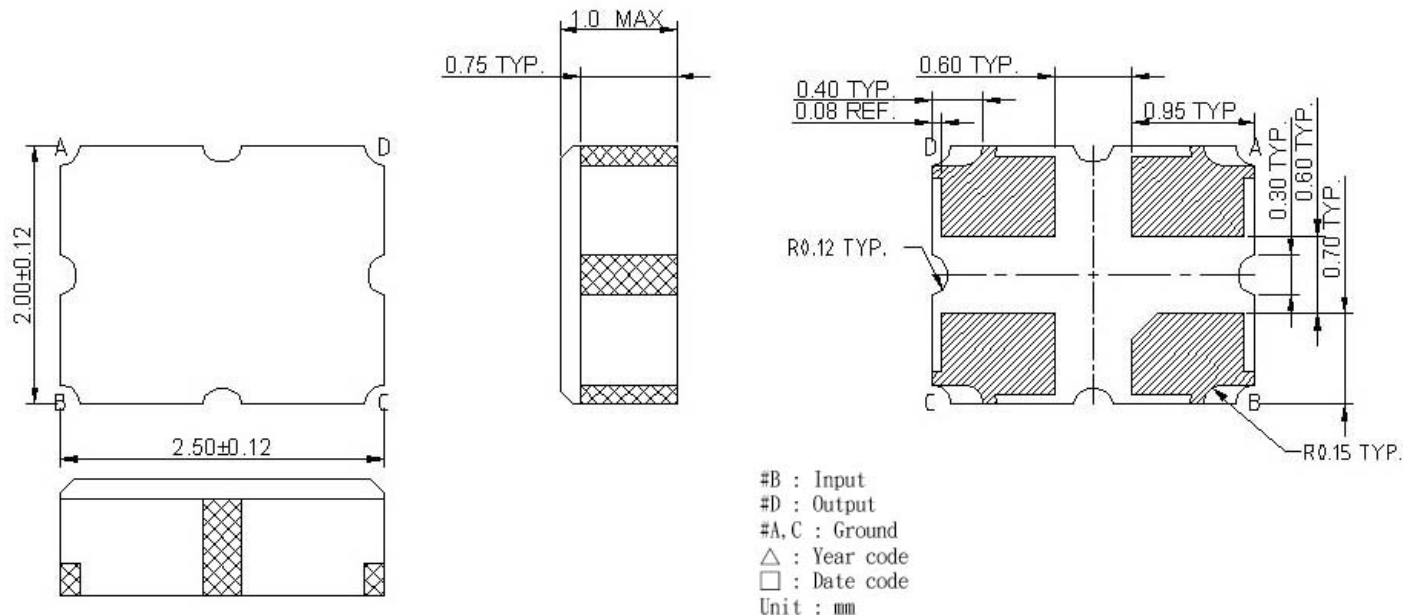
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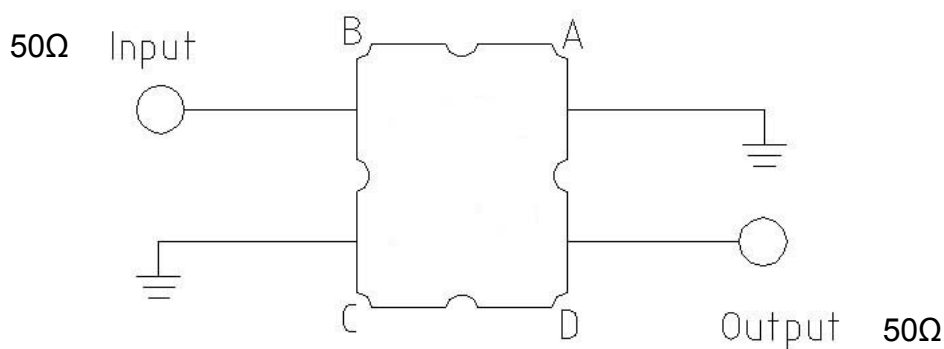
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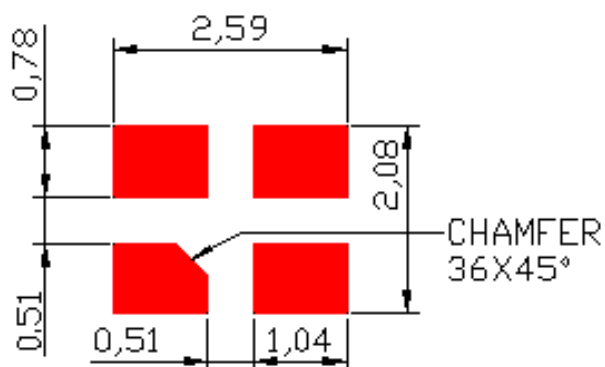
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:

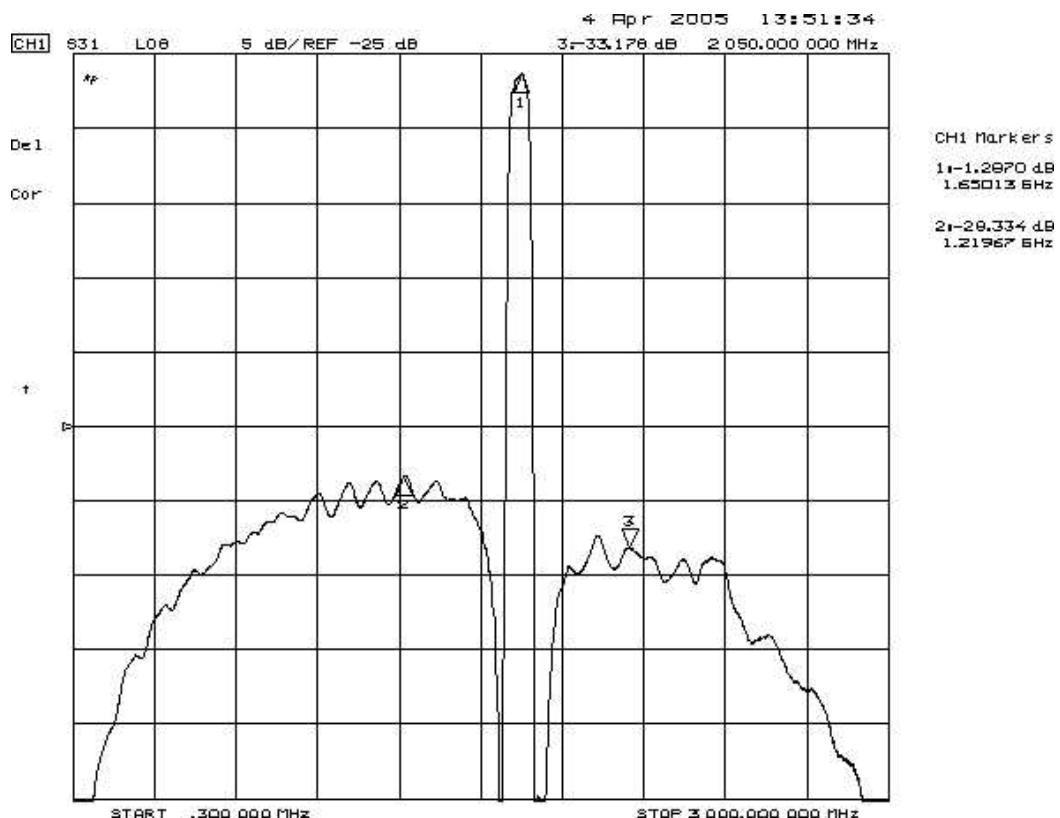
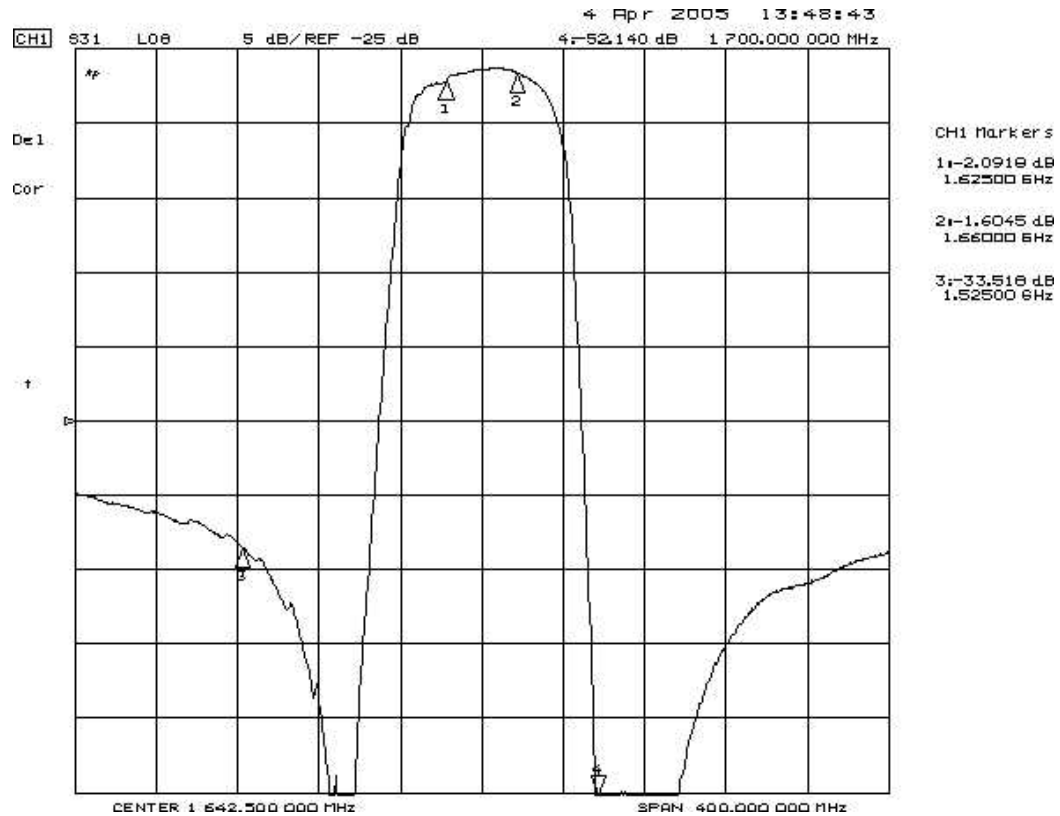


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F. FREQUENCY CHARACTERISTICS:

1. Transfer function

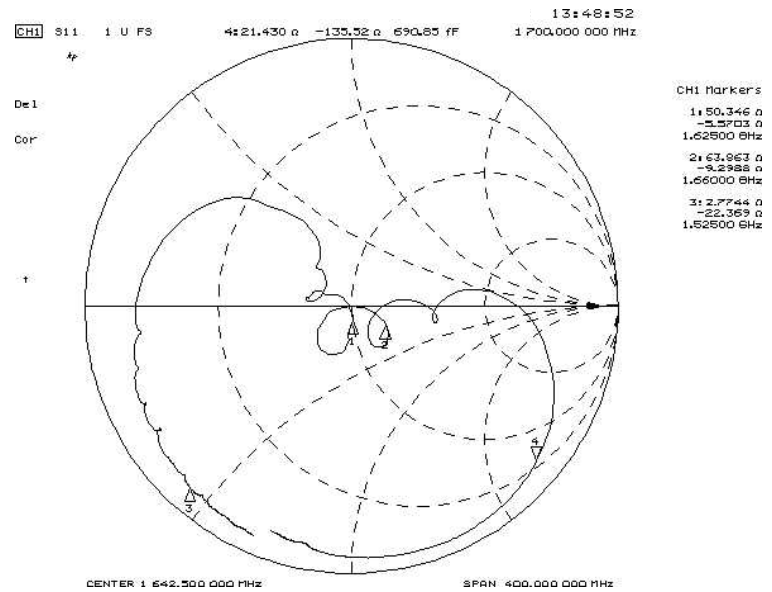
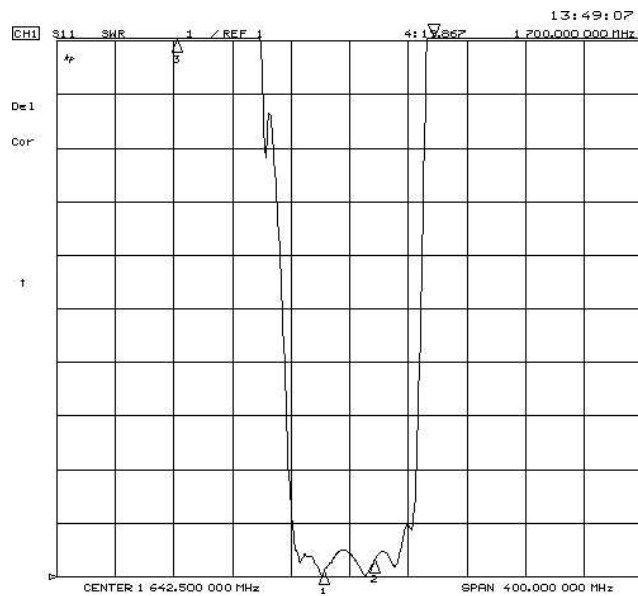


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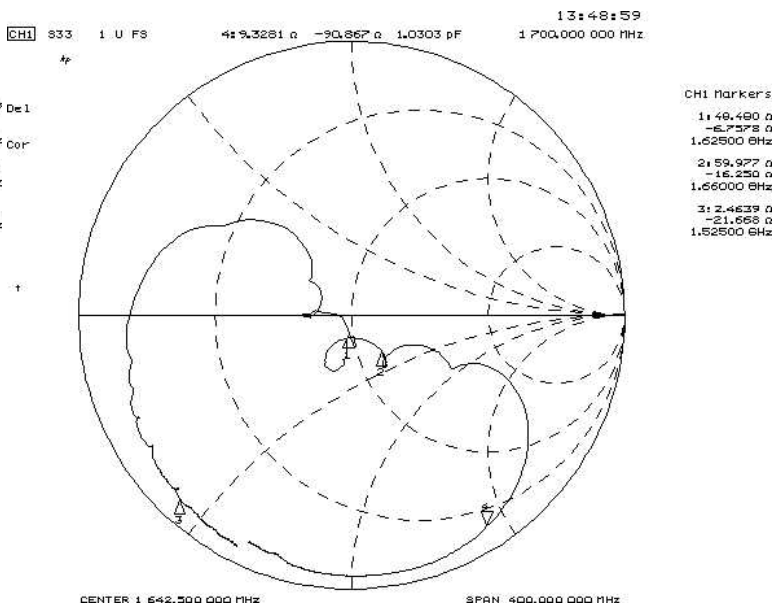
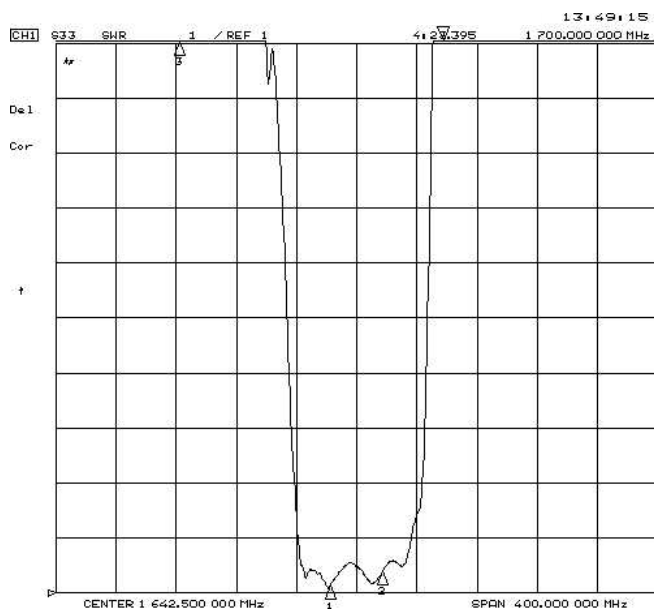
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2. Reflections Functions

S11 VSWR



S22 VSWR

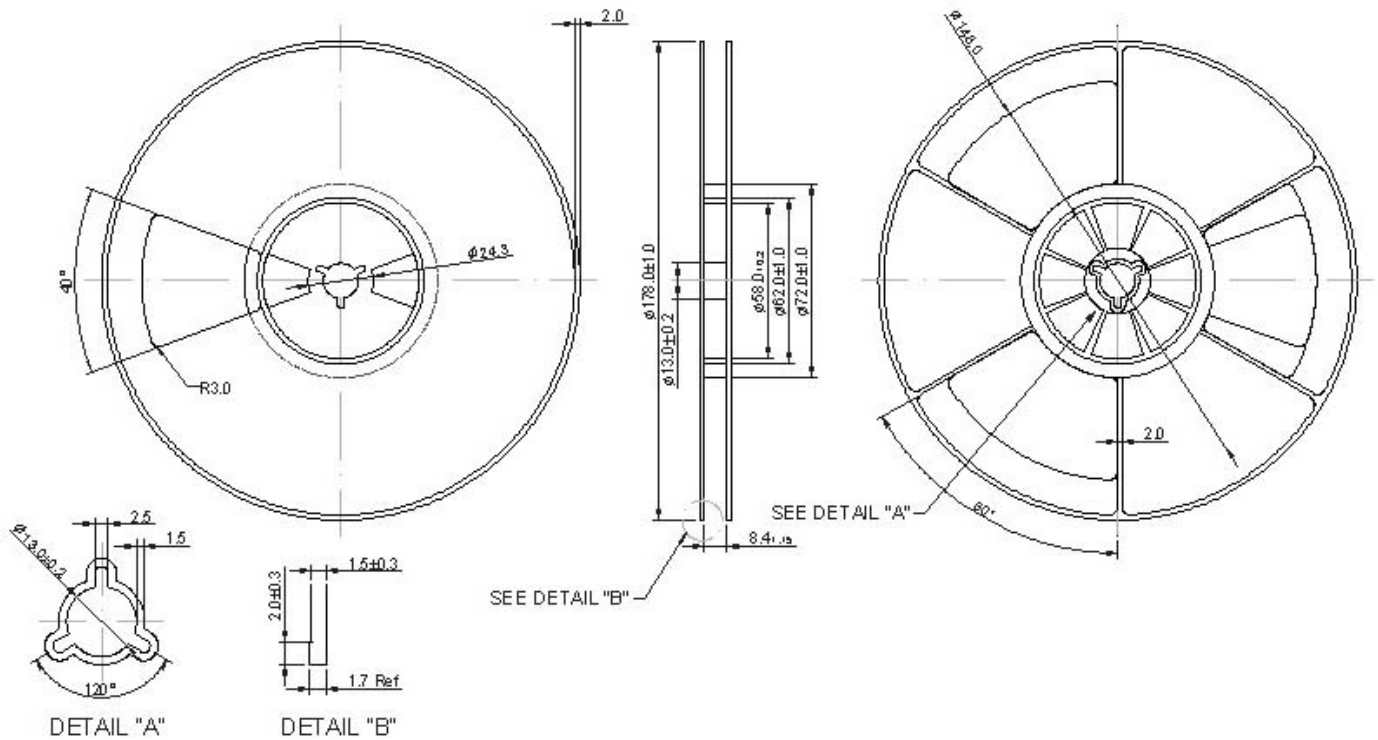


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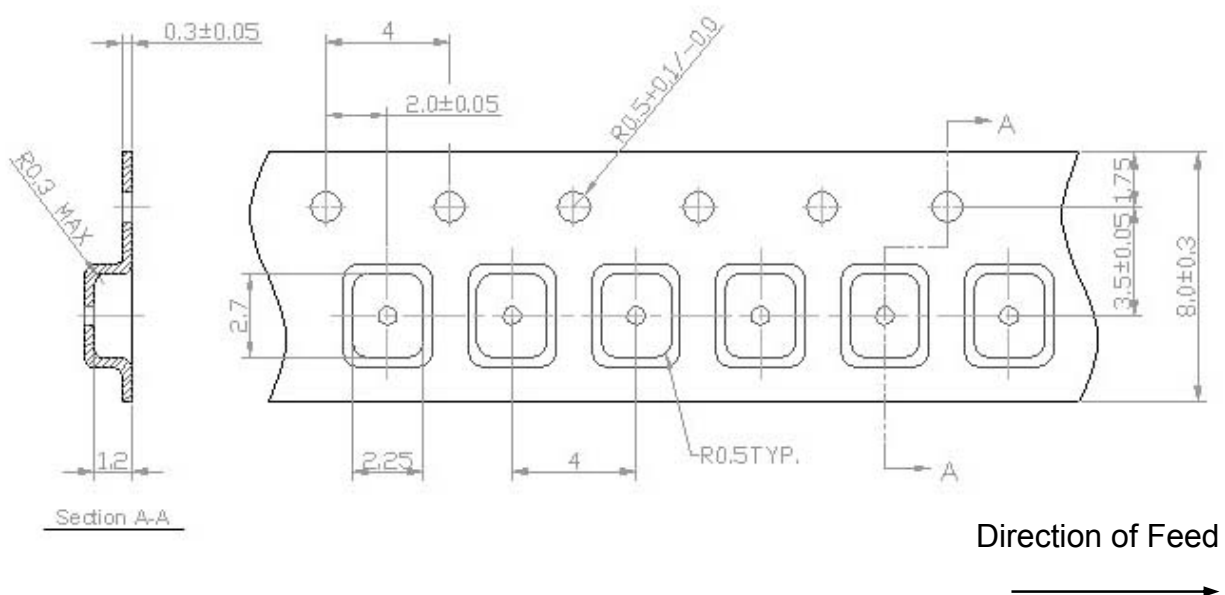
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

