

SAW Filter 1575.42MHz

Model: TA0531A

Part No: MA08528

REV. NO.: 1

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	1575.42	-
Insertion loss (1570.42~1580.42 MHz) IL (dB)	-	1.8	3
Amplitude ripple (1570.42~1580.42 MHz) (dB)	-	0.1	1.7
Attenuation (Reference level from 0 dB)			
D.C. ~ 1400 MHz (dB)	35.0	37.0	-
1400 ~ 1475 MHz (dB)	30.0	34.0	-
1475 ~ 1525 MHz (dB)	25.0	37.0	-
1625 ~ 1640 MHz (dB)	30.0	45.0	-
1640 ~ 2000 MHz (dB)	32.0	34.0	-
2000 ~ 3000 MHz (dB)	20.0	28.0	-
VSWR (1570.42~1580.42 MHz)	-	1.3	2.0
Source impedance Zs (Ω)	-	50	-
Load impedance ZL (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

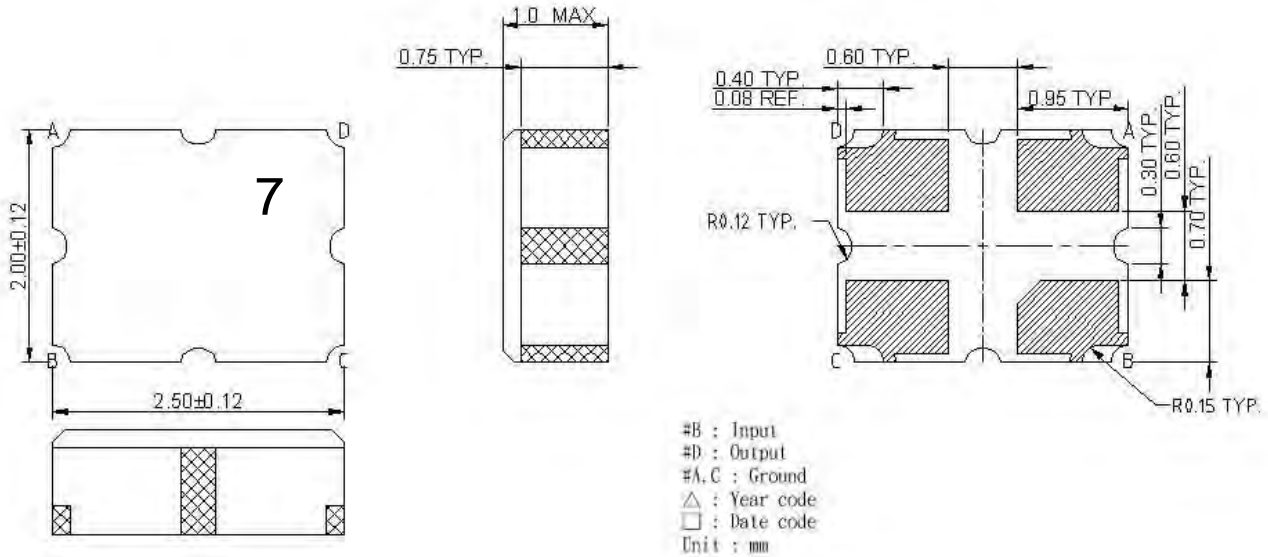
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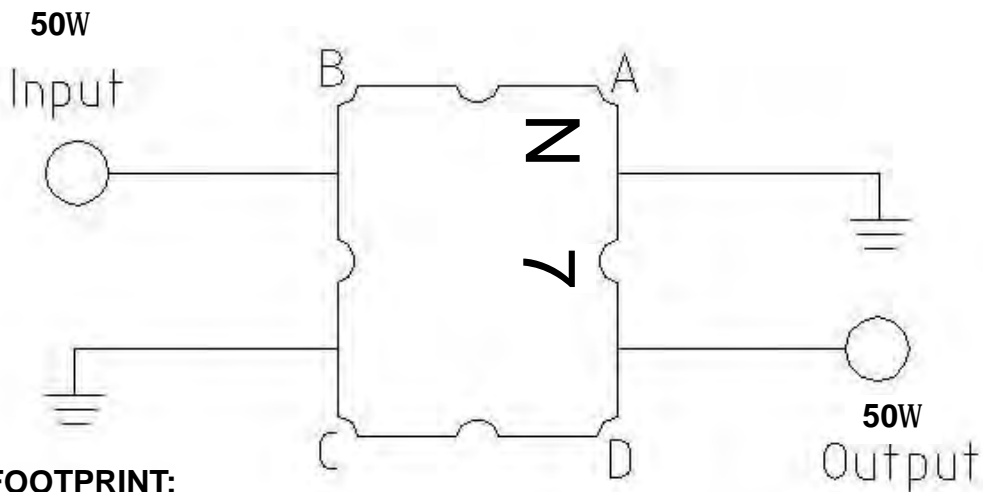
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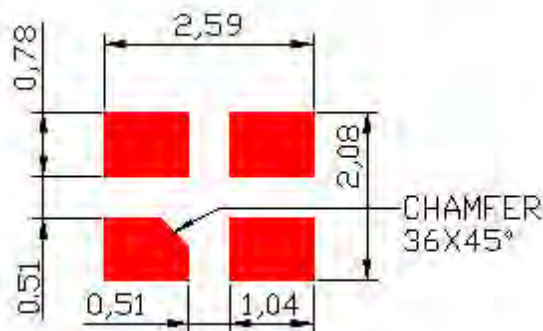
C. OUTLINE DRAWING:



D. MEASUREMENT CIRCUIT:



E. PCB FOOTPRINT:



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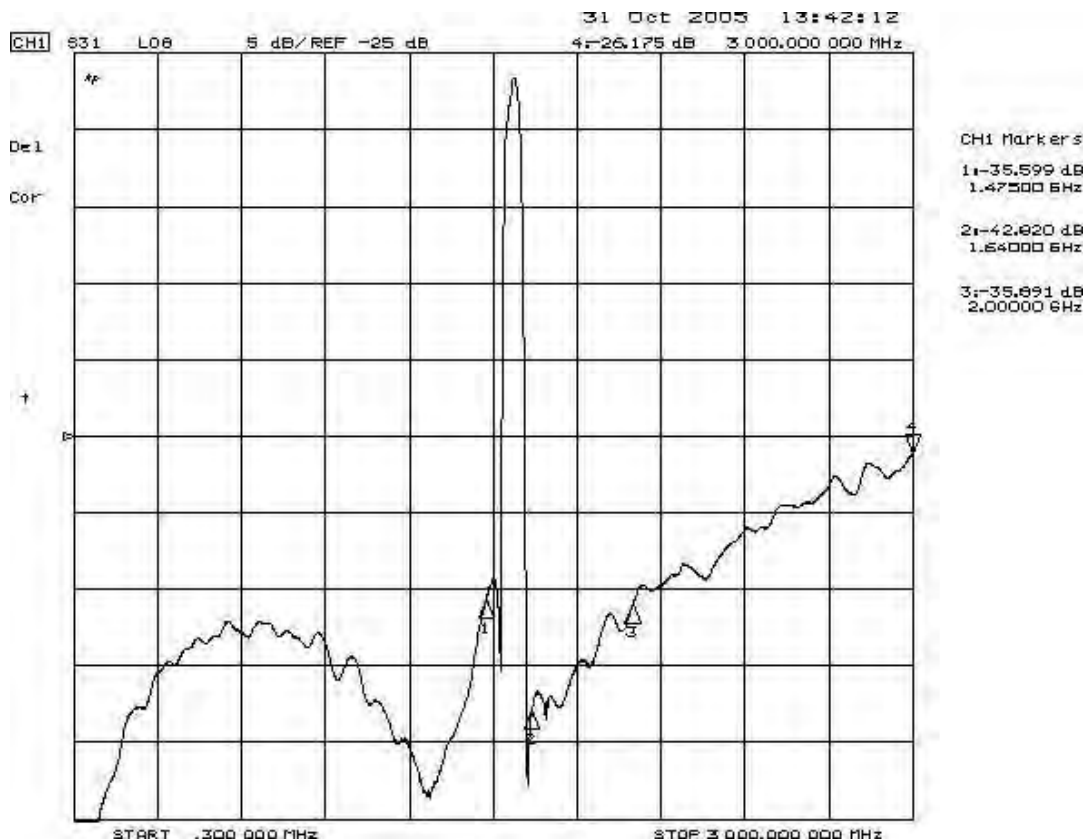
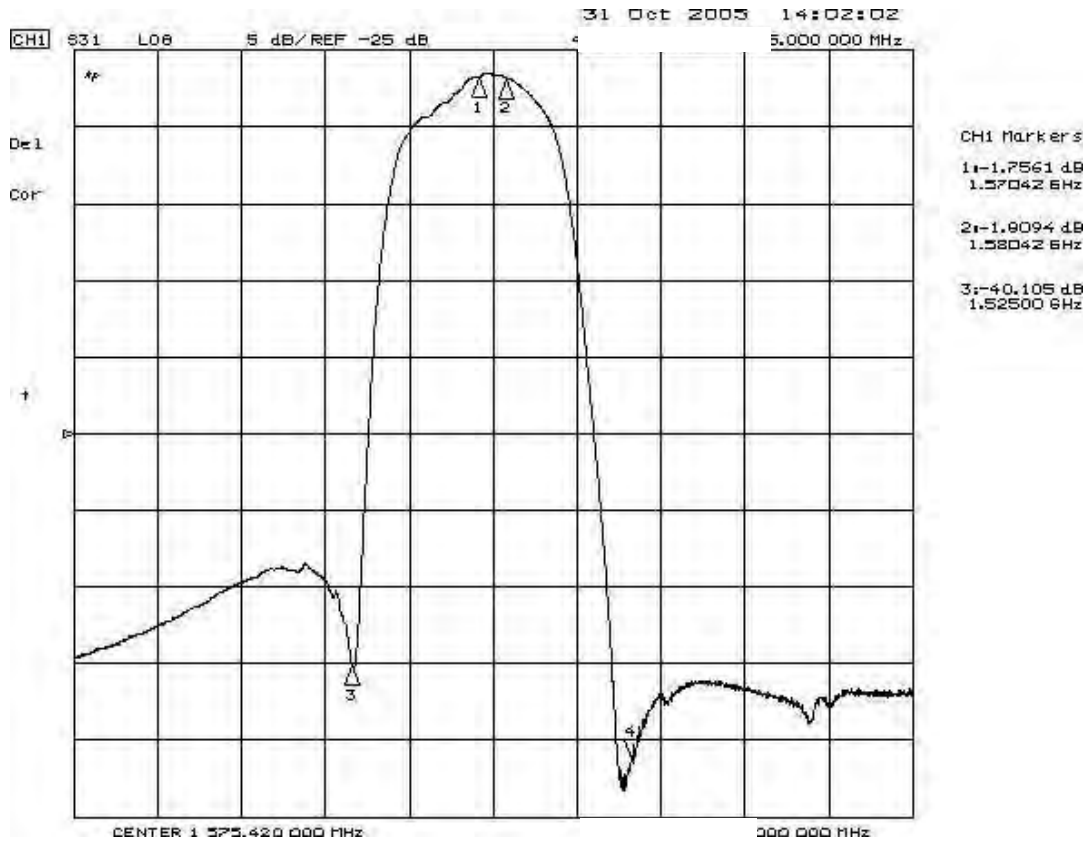
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F. FREQUENCY CHARACTERISTICS:

Transfer function

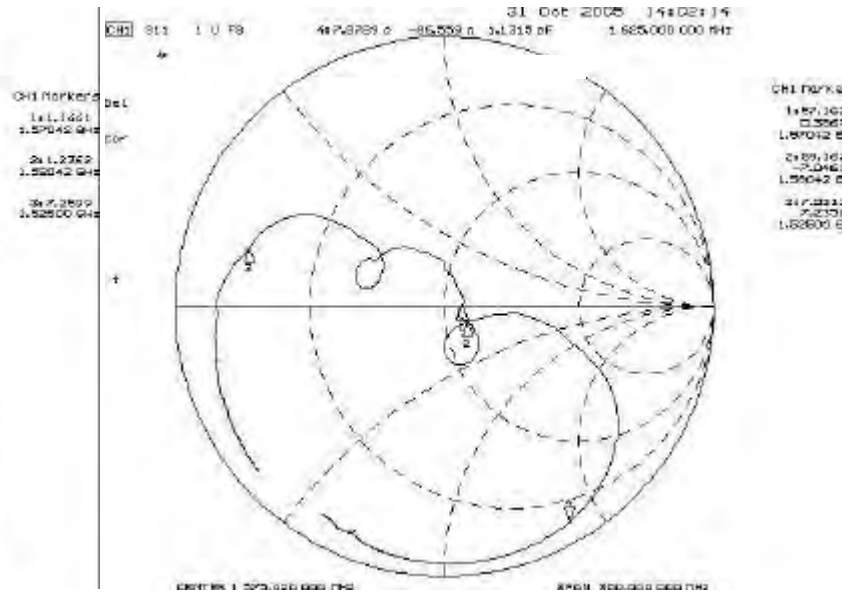
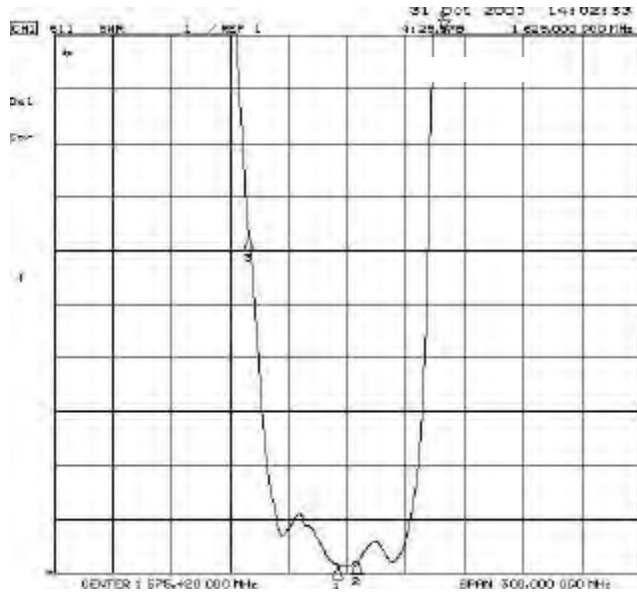


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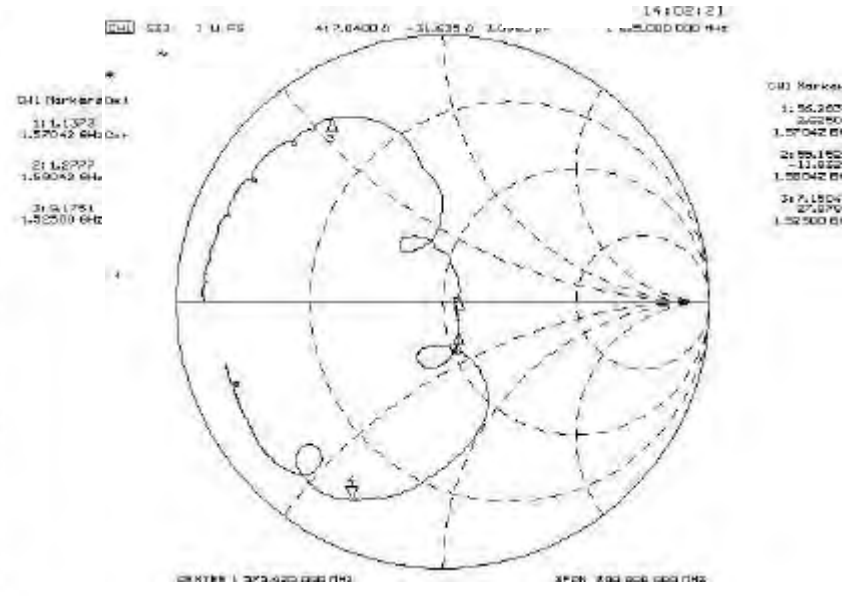
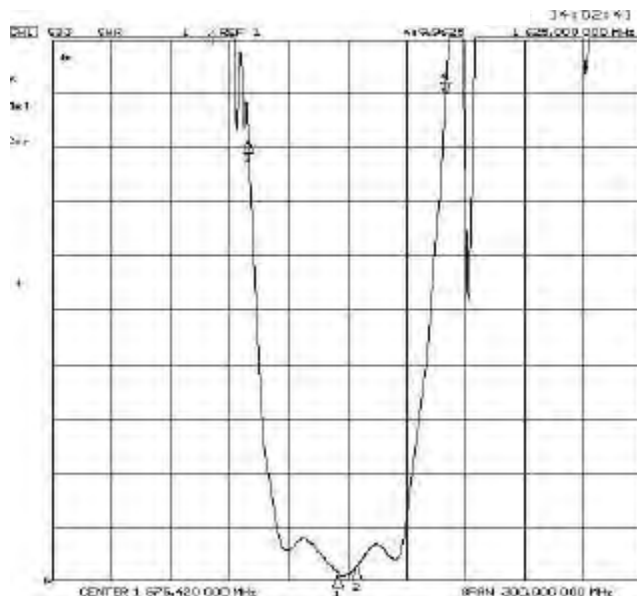
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Reflections Functions :

S11 VSWR



S22 VSWR



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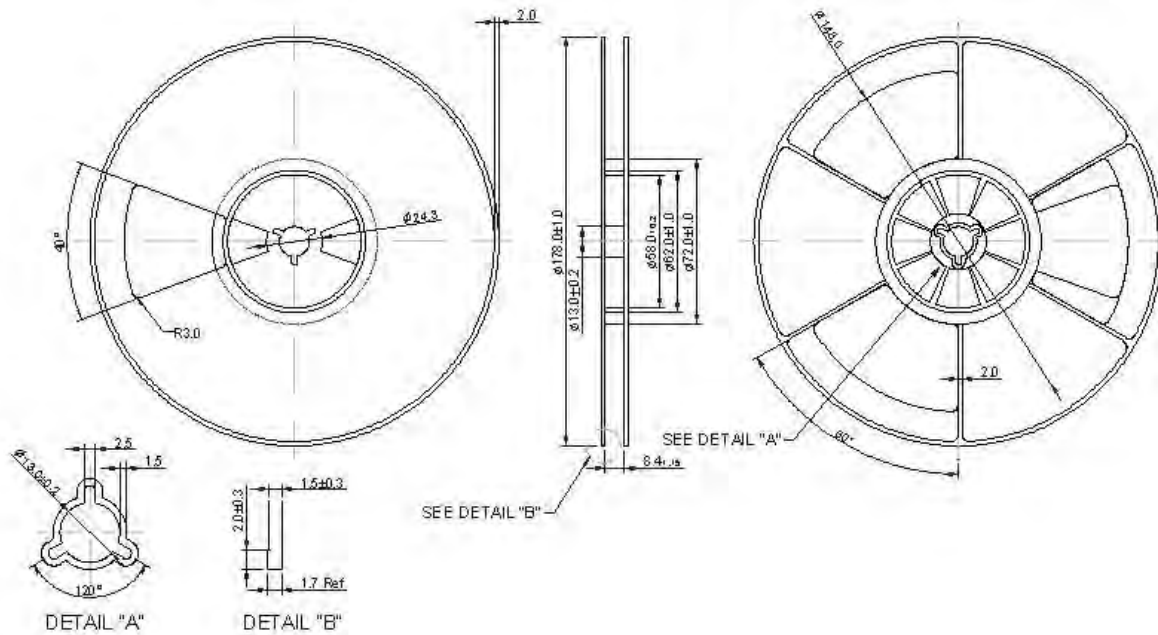
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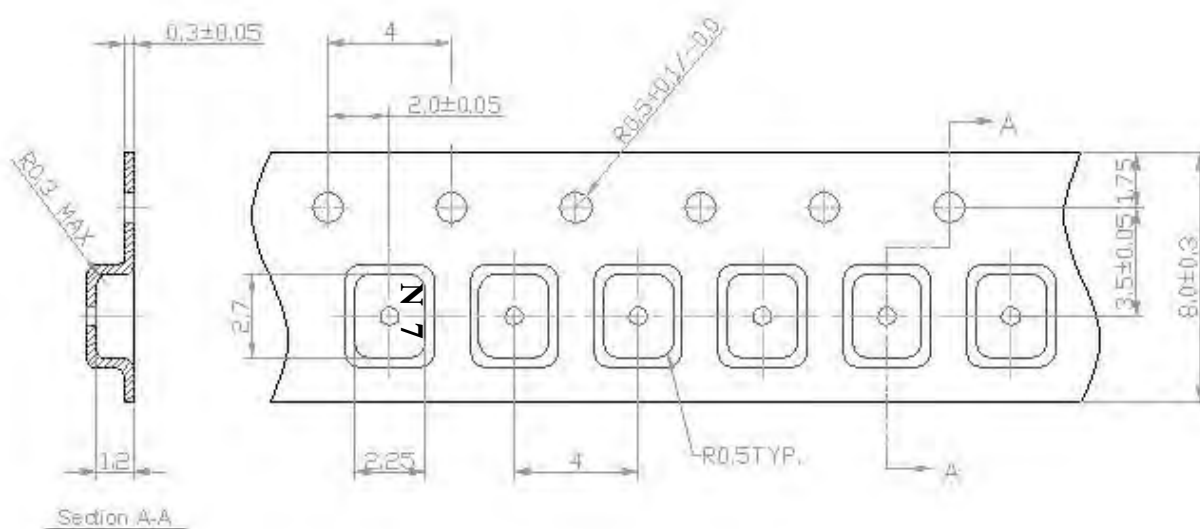
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



Direction of Feed