

SAW Filter 1575.420MHz
Part No: MP03289

Model: TA0406C
Rev No: 6

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm (1574.42 ~ 1576.42MHz)
2. Input Power Level: 10dBm (DC ~ 1500MHz and 1625 ~ 3000MHz)
3. DC voltage: 7.5V
4. Operating Temperature: -40°C to +85°C
5. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

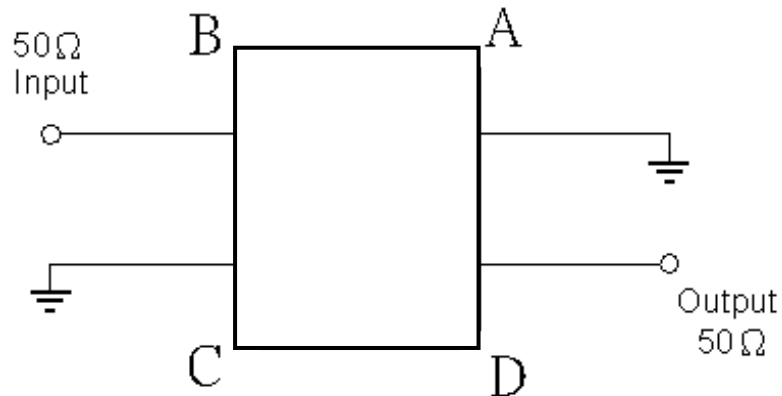
Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	1575.42	-
Insertion loss (1574.42 ~ 1576.42MHz) IL (dB)	-	1.2	1.6
Amplitude ripple (1574.42 ~ 1576.42MHz) (dB)	-	0.1	0.8
Bandwidth @ -2dB (MHz)	-	42	-
Attenuation (Reference level from 0dB)			
DC ~ 1000MHz (dB)	20	34	-
1500MHz (dB)	33	38	-
1625 ~ 1635MHz (dB)	30	39	-
1800 ~ 3000MHz (dB)	25	32	-
VSWR (1574.42 ~ 1576.42MHz)	-	1.2	1.8
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note 1: The standard definitions is in JIS C 6703

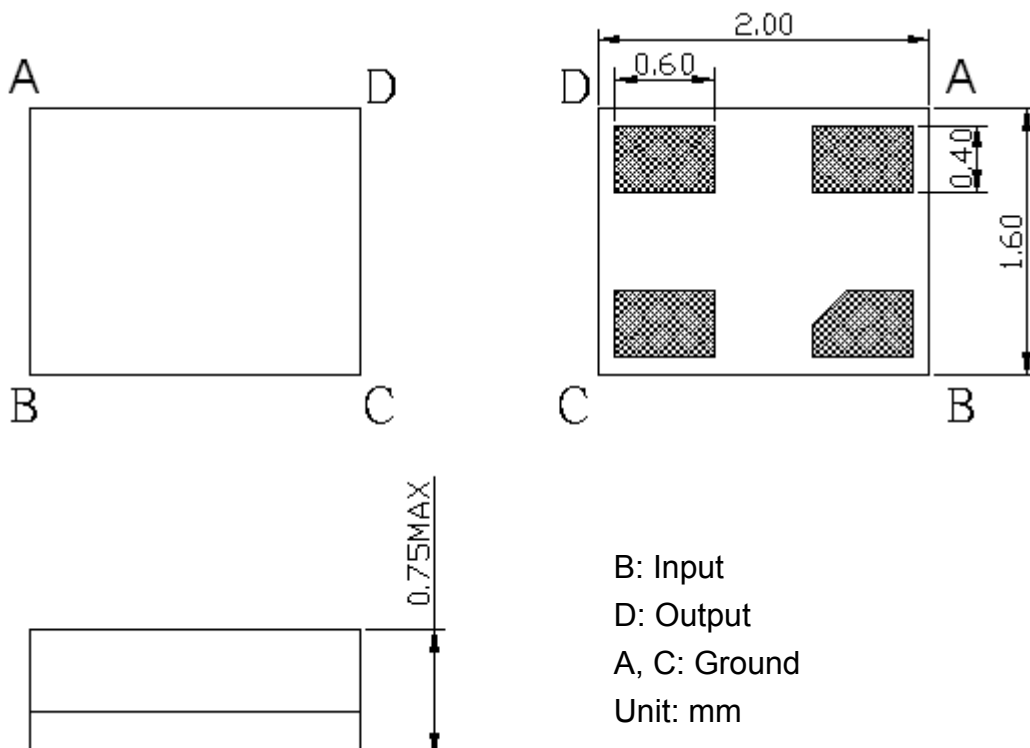
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C. MEASUREMENT CIRCUIT:



D. OUTLINE DRAWING:

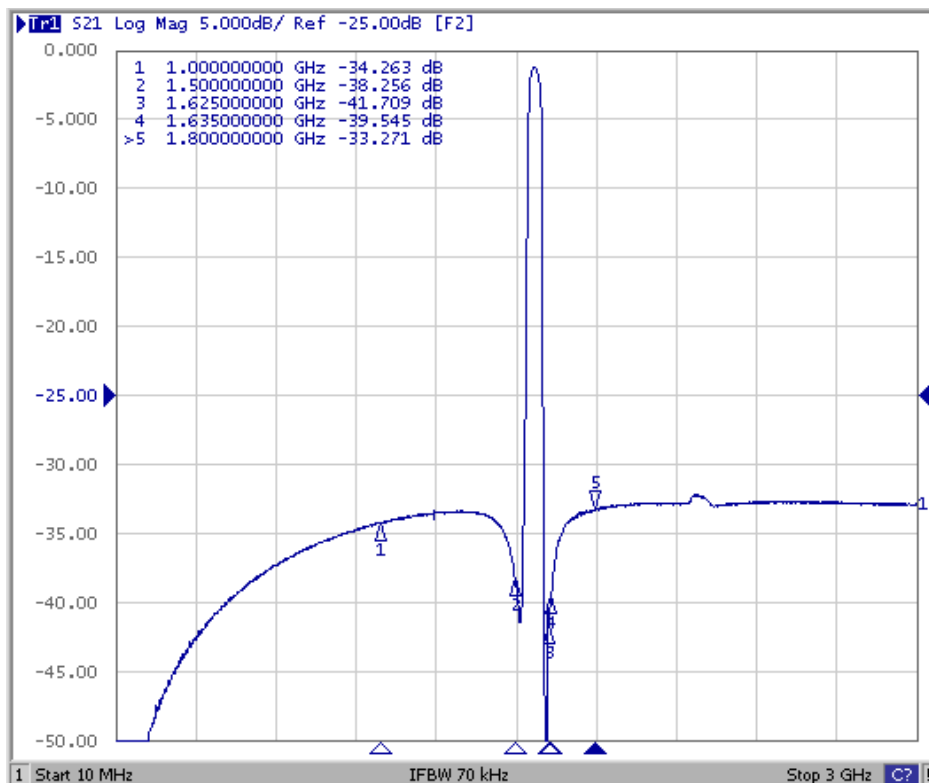
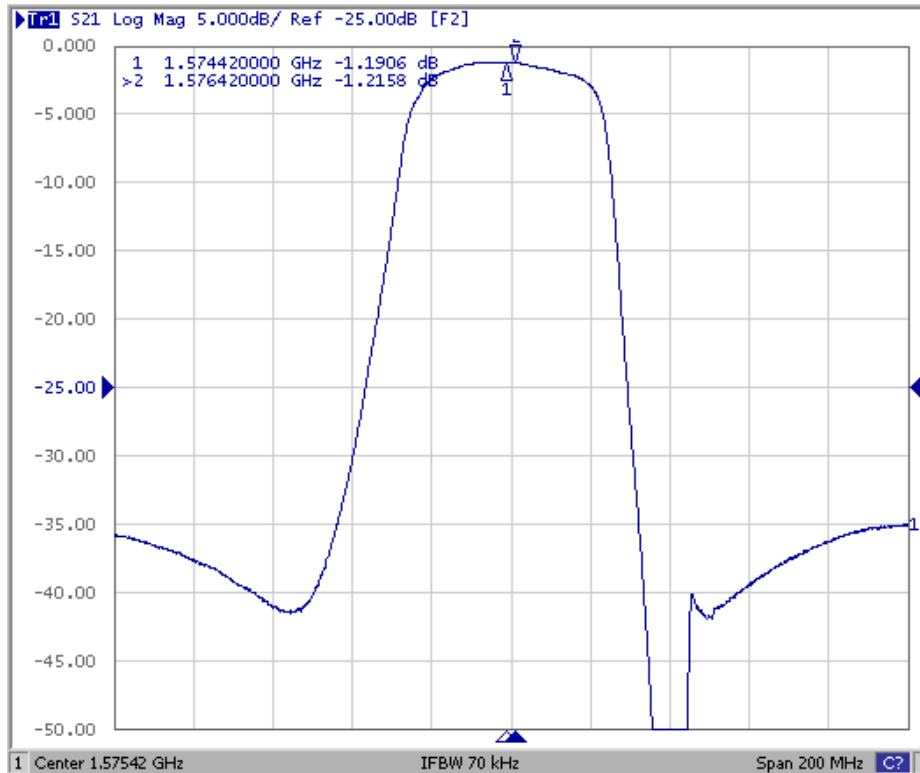


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E. FREQUENCY CHARACTERISTICS:

1. Transfer function

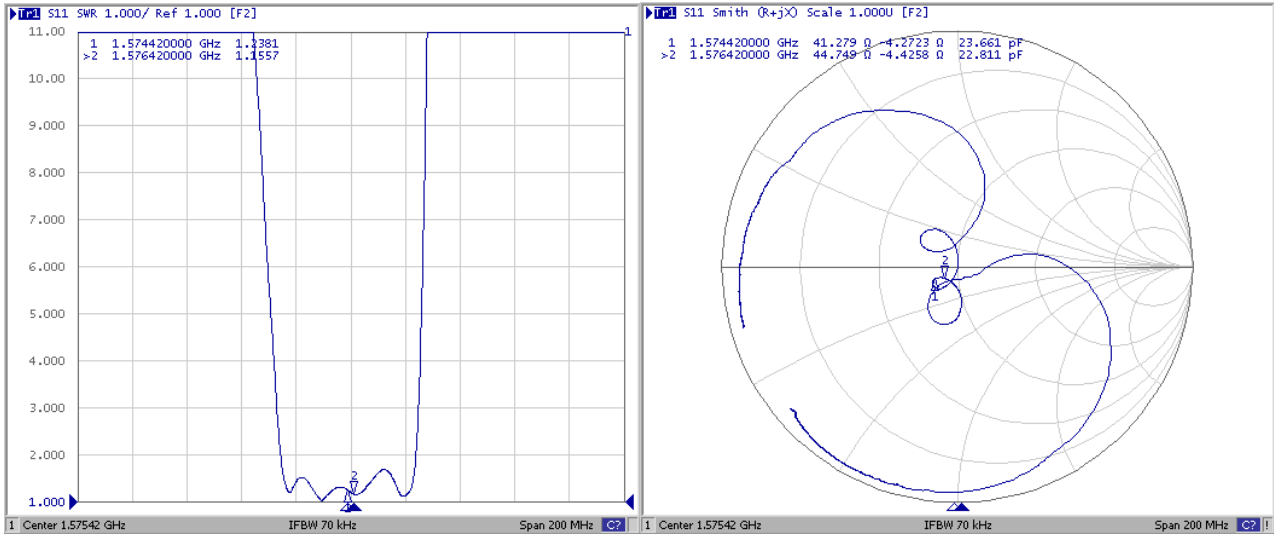


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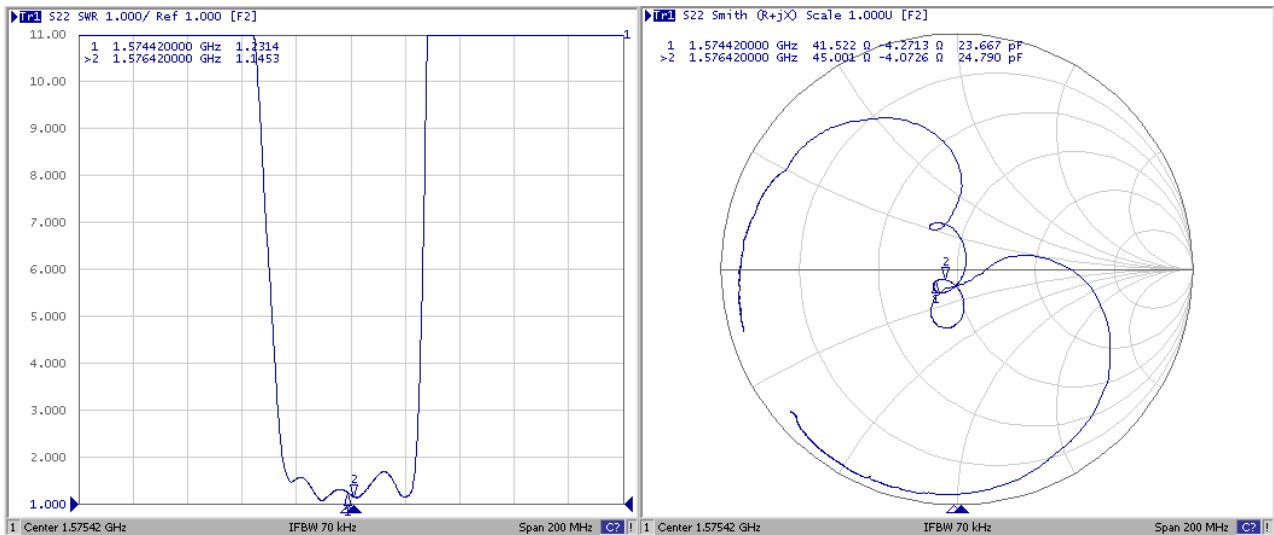
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2. Reflections Functions

S11 VSWR



S22 VSWR

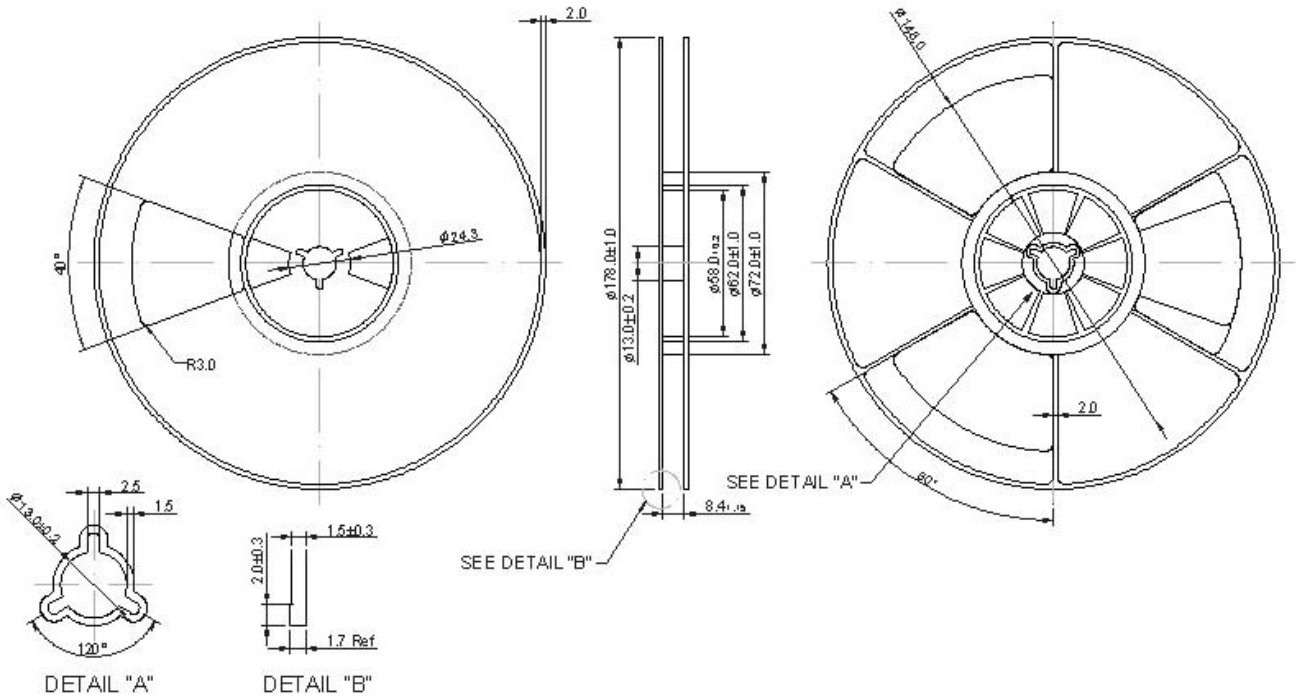


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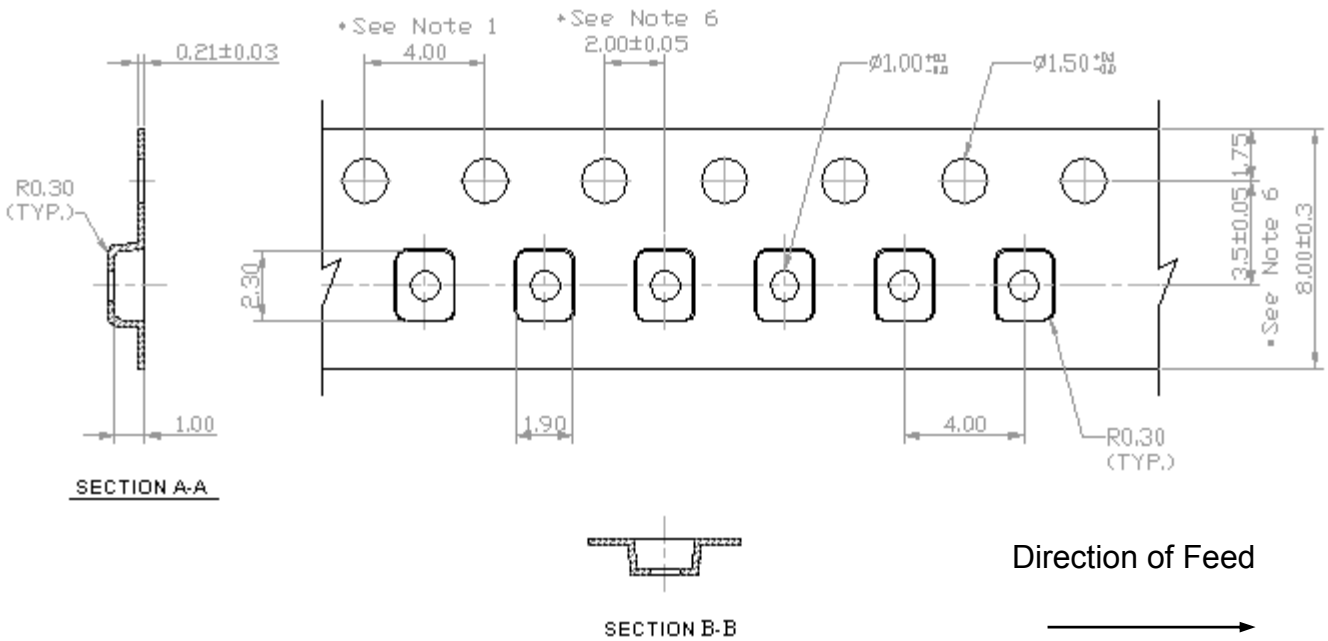
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F. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 245~260°C peak (min. 10sec).
4. Time: 2 times.

