

SAW Filter 1747.50MHz
Part No: MP01784

Model: TA0762A
Rev No: 1

A. MAXIMUM RATING:

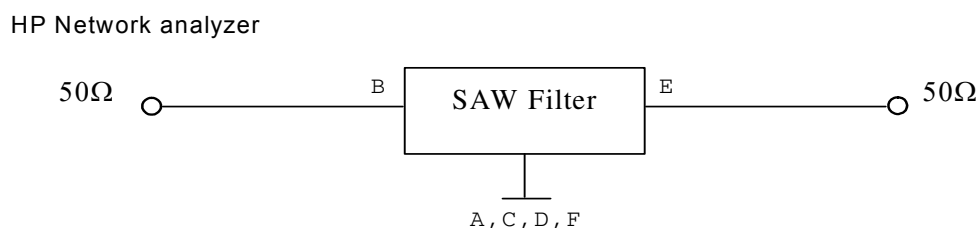
1. Input Power Level: +20dBm
2. DC voltage: 0V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (MHz)	-	1747.5	-
Insertion loss (1710 ~ 1785MHz) IL (dB)	-	2.6	4.0
Amplitude ripple (1710 ~ 1785MHz) (dB)	-	1.6	2.5
Attenuation (Reference level from 0dB)			
10 ~ 1670MHz (dB)	15	23	-
1670 ~ 1690MHz (dB)	6	23.9	-
1805 ~ 1880MHz (dB)	6	24	-
1880 ~ 4500MHz (dB)	15	25	-
4500 ~ 5000MHz (dB)	10	14	-
Input / Output VSWR (1710 ~ 1785MHz)	-	1.8	2.5
Source impedance Z _S (Ω)	-	50	-
Load impedance Z _L (Ω)	-	50	-

Note: The standard definitions is in JIS C 6703

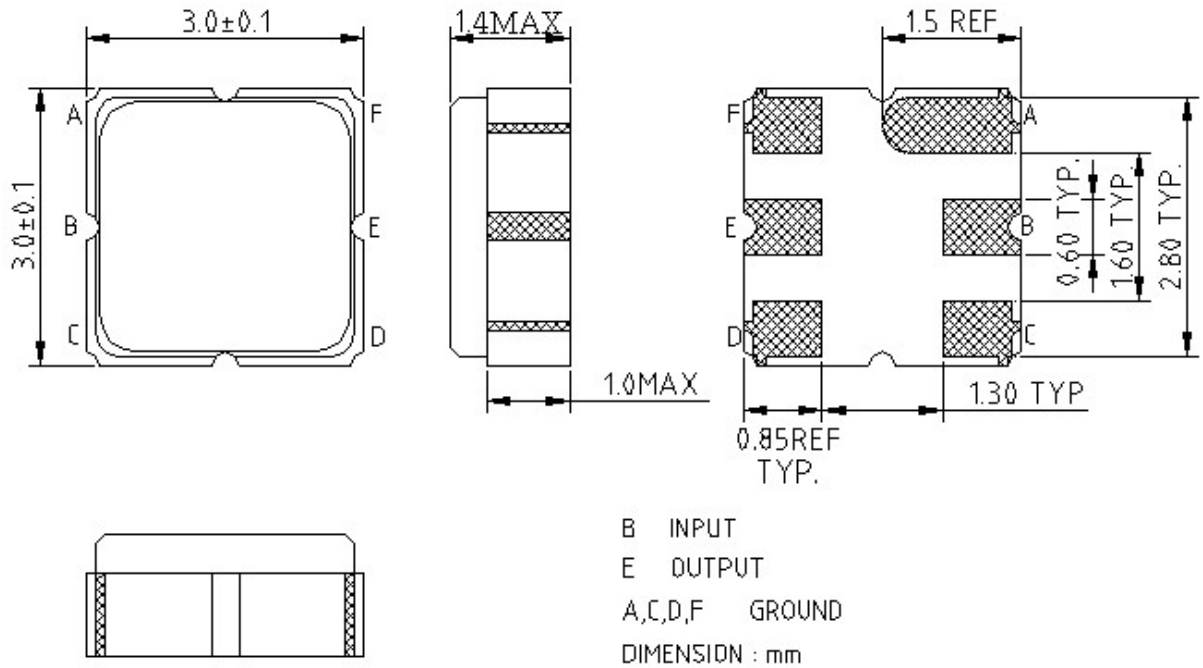
C. MEASUREMENT CIRCUIT:



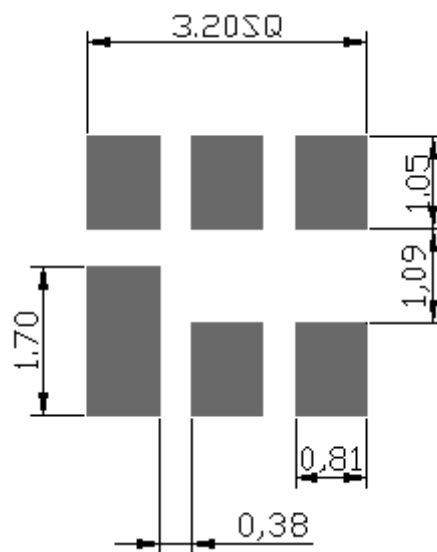
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D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

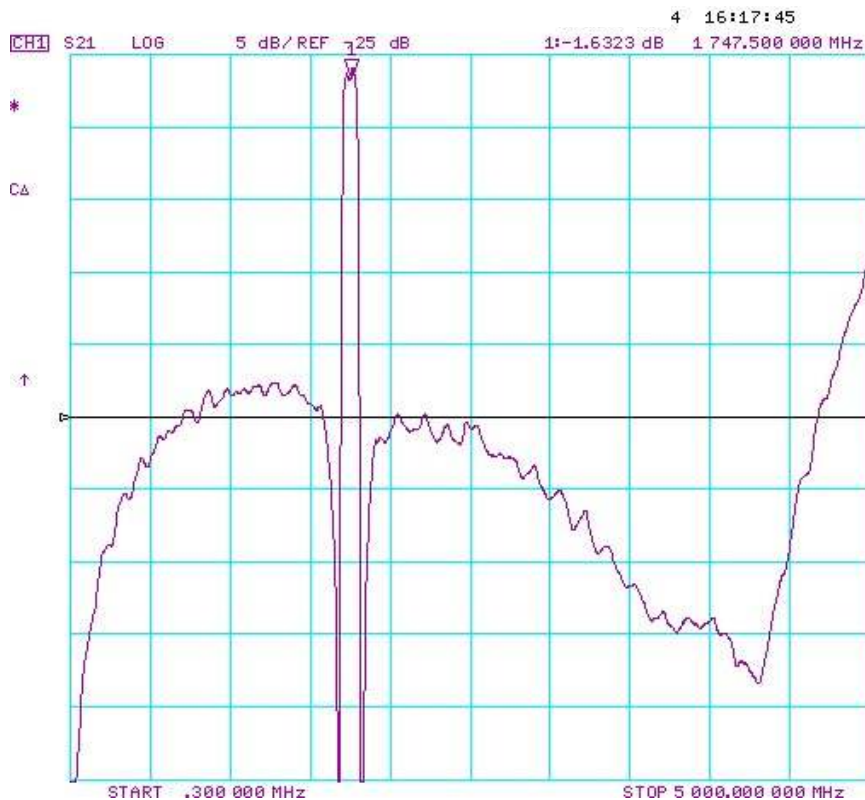
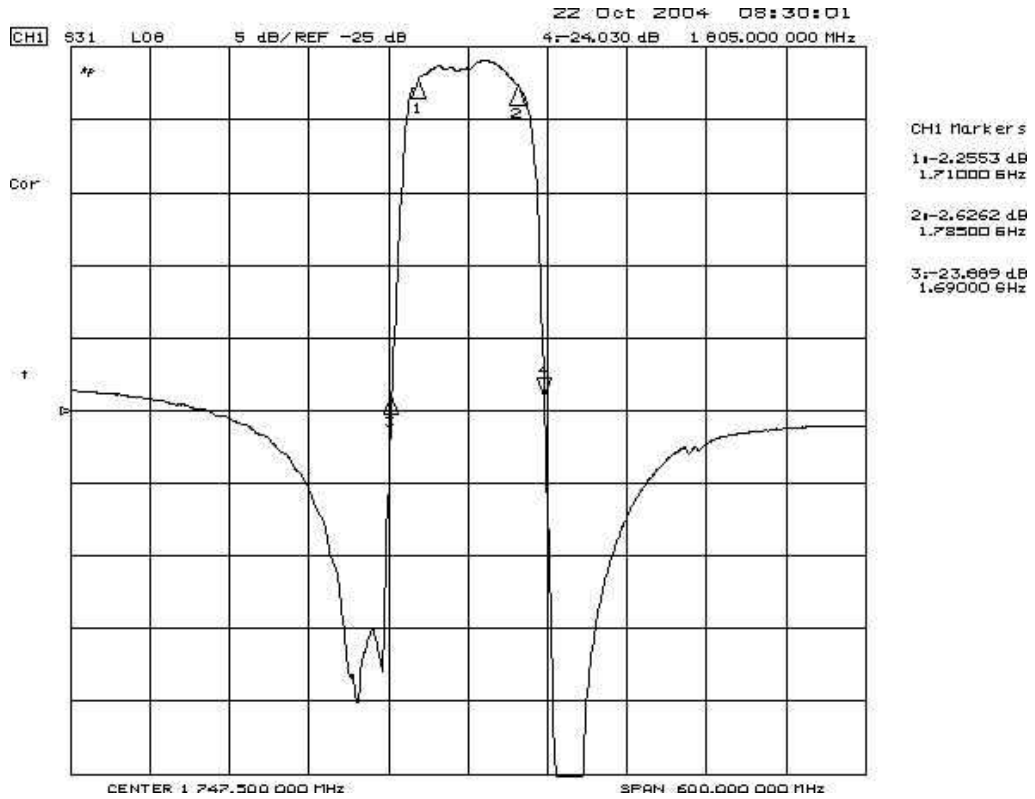


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F. FREQUENCY CHARACTERISTICS:

1. Transfer Function

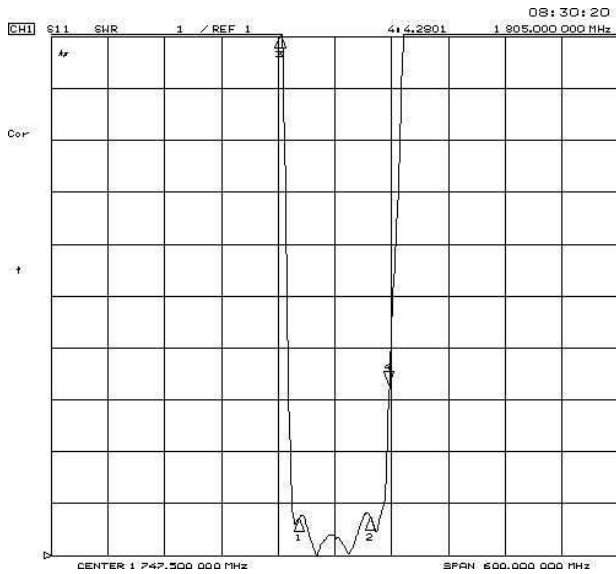


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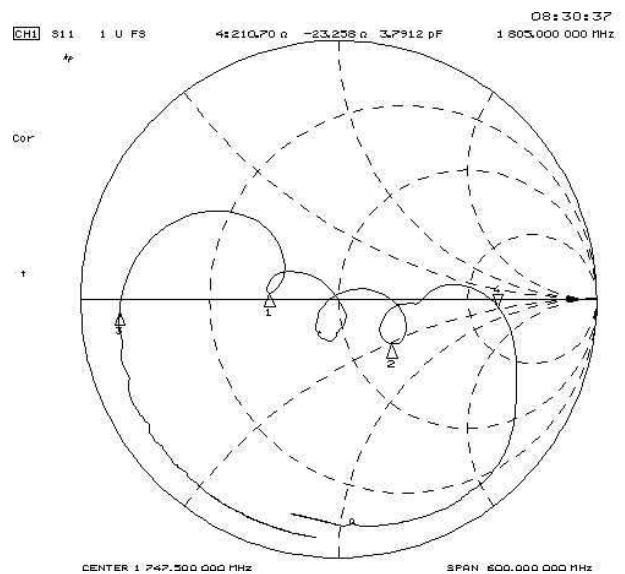
2. Reflection Functions

S11



CH1 Markers

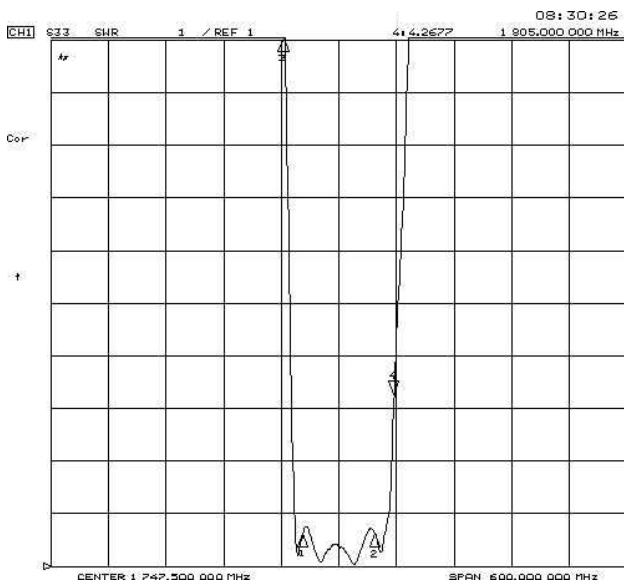
1:	1.7314	1.71000 GHz
2:	1.7427	1.70500 GHz
3:	1.2317	1.69000 GHz



CH1 Markers

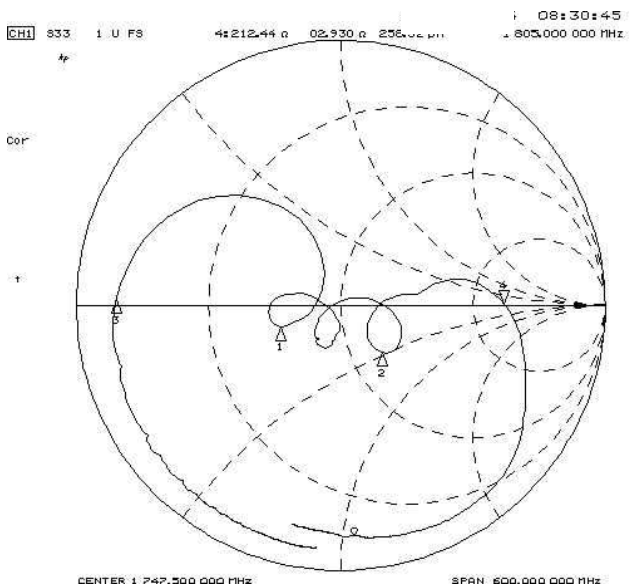
1:	29.925 Ω	1.5418 Ω	1.71000 GHz
2:	70.387 Ω	-26.469 Ω	1.70500 GHz
3:	4.0852 Ω	-1.3540 Ω	1.69000 GHz

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CH1 Markers

1:	1.6307	1.71000 GHz
2:	1.6235	1.70500 GHz
3:	1.2279	1.69000 GHz

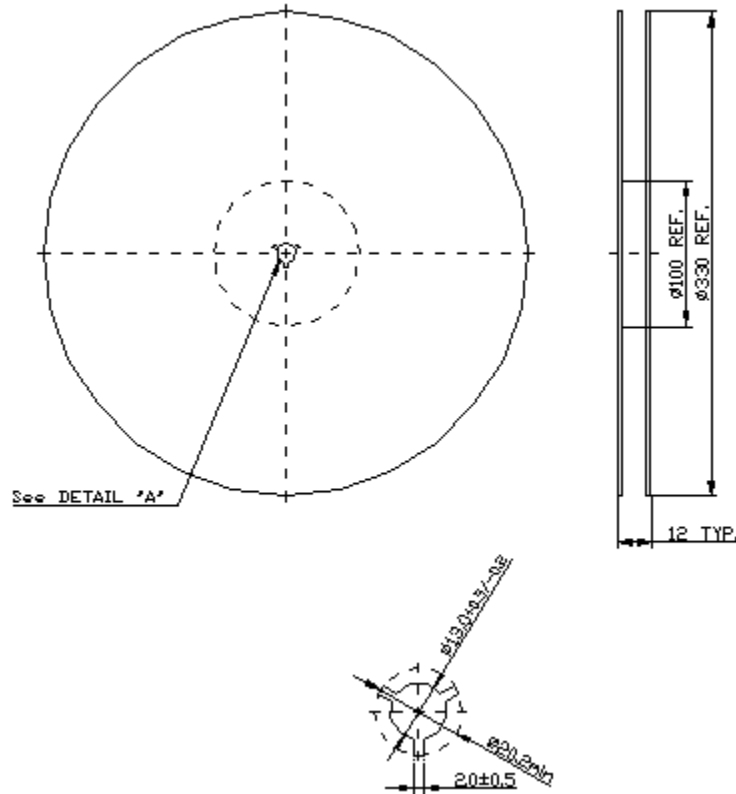


CH1 Markers

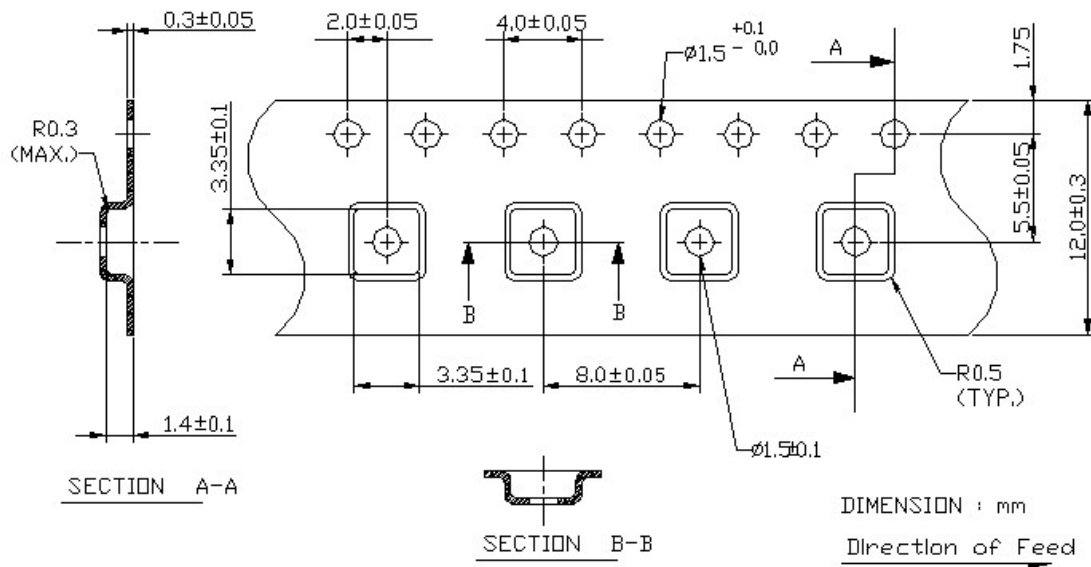
1:	31.264 Ω	-5.2490 Ω	1.71000 GHz
2:	63.758 Ω	-24.029 Ω	1.70500 GHz
3:	4.0713 Ω	675.93 mΩ	1.69000 GHz

G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

