

SAW Filter 719.0MHz
Part No: MP03587

Model: TA1037A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

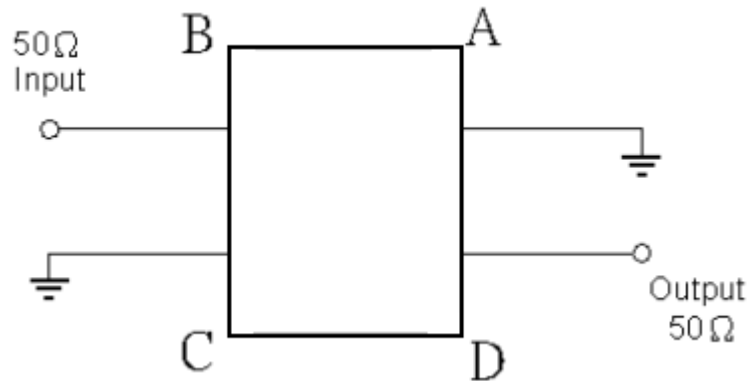
B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	719	-
Min. Insertion loss (716.5 ~ 721.5MHz) IL	dB	-	3	3.2
Amplitude Ripple (716.5 ~ 721.5MHz)	dB	-	0.9	2.2
Return Loss (716.5 ~ 721.5MHz)	dB	5	8	-
Group Delay Ripple (716.5 ~ 721.5MHz)	ns	-	38	95
Attenuation (Reference level from 0dB)				
D.C ~ 690MHz	dB	40	49	-
690 ~ 704MHz	dB	35	44	-
704 ~ 710MHz	dB	30	44	-
728 ~ 734MHz	dB	25	30	-
734 ~ 750MHz	dB	27	40	-
750 ~ 824MHz	dB	37	50	-
824 ~ 960MHz	dB	45	51	-
960 ~ 2500MHz	dB	32	35	-
Temperature coefficient of frequency TCf	ppm/°C	-	-36	-

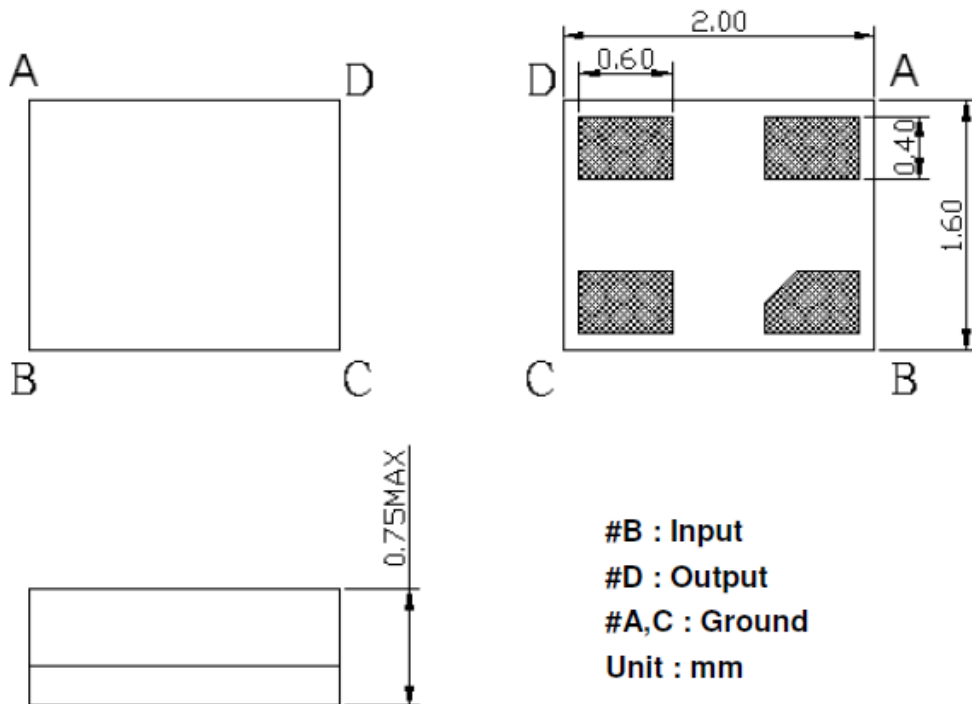
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C. MEASUREMENT CIRCUIT:



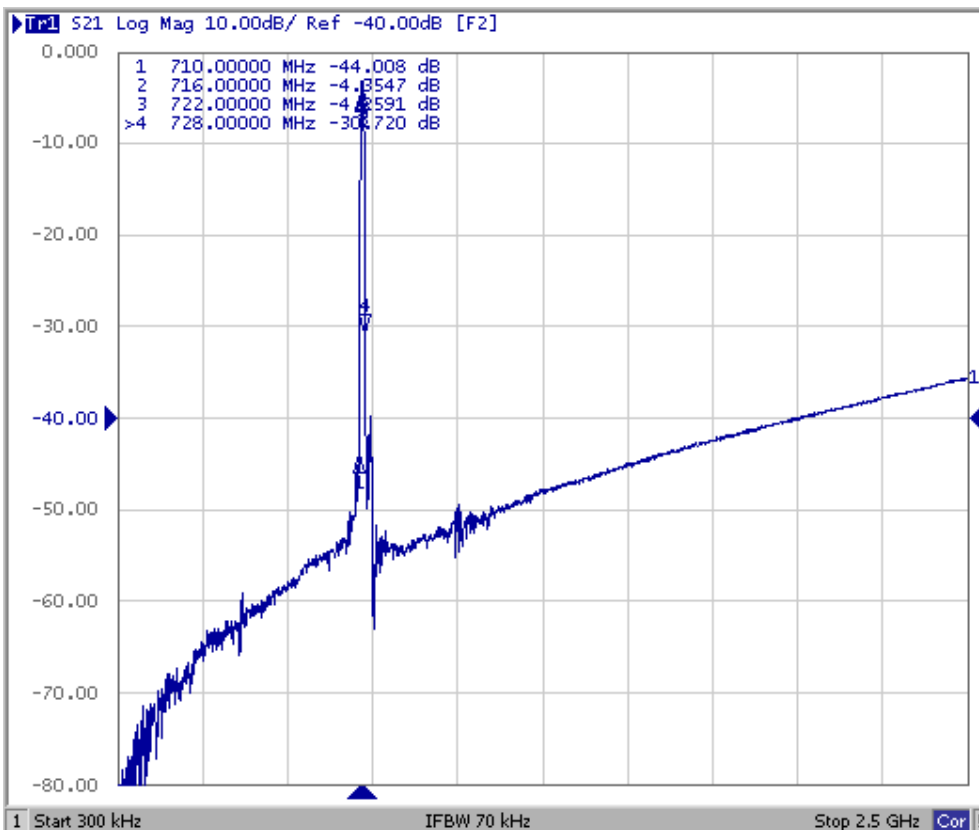
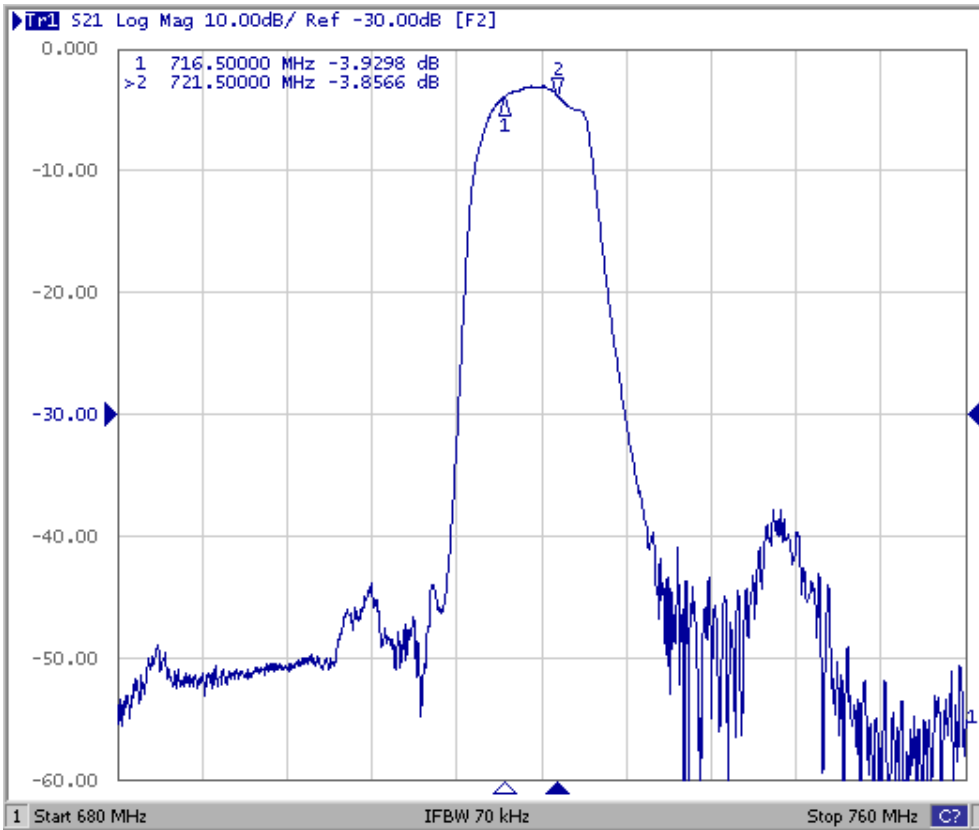
D. OUTLINE DRAWING:



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E. FREQUENCY CHARACTERISTICS:

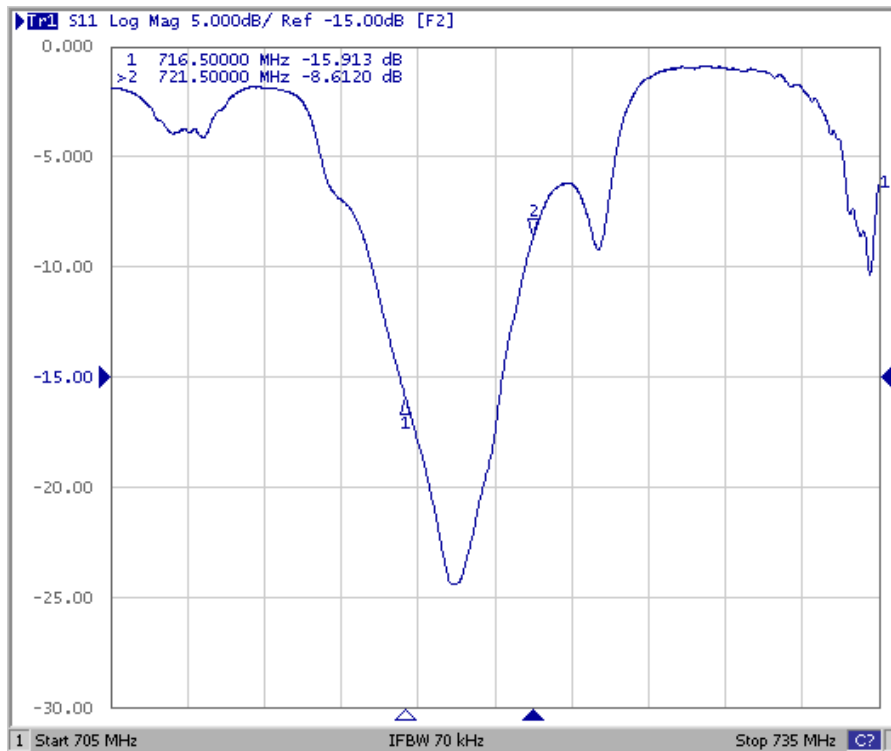


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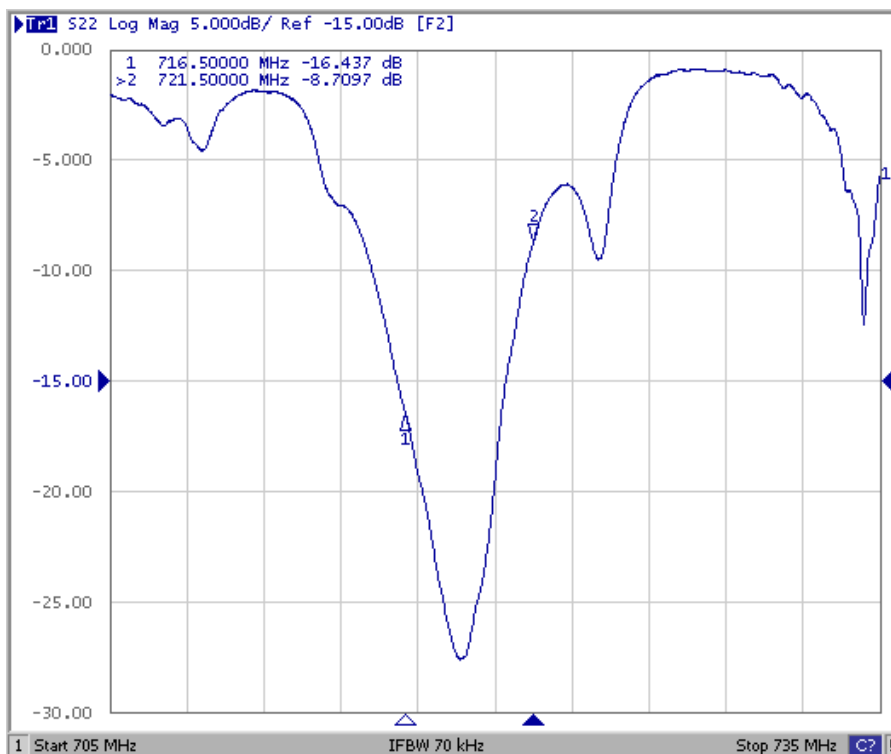
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Reflection Functions

S11



S22

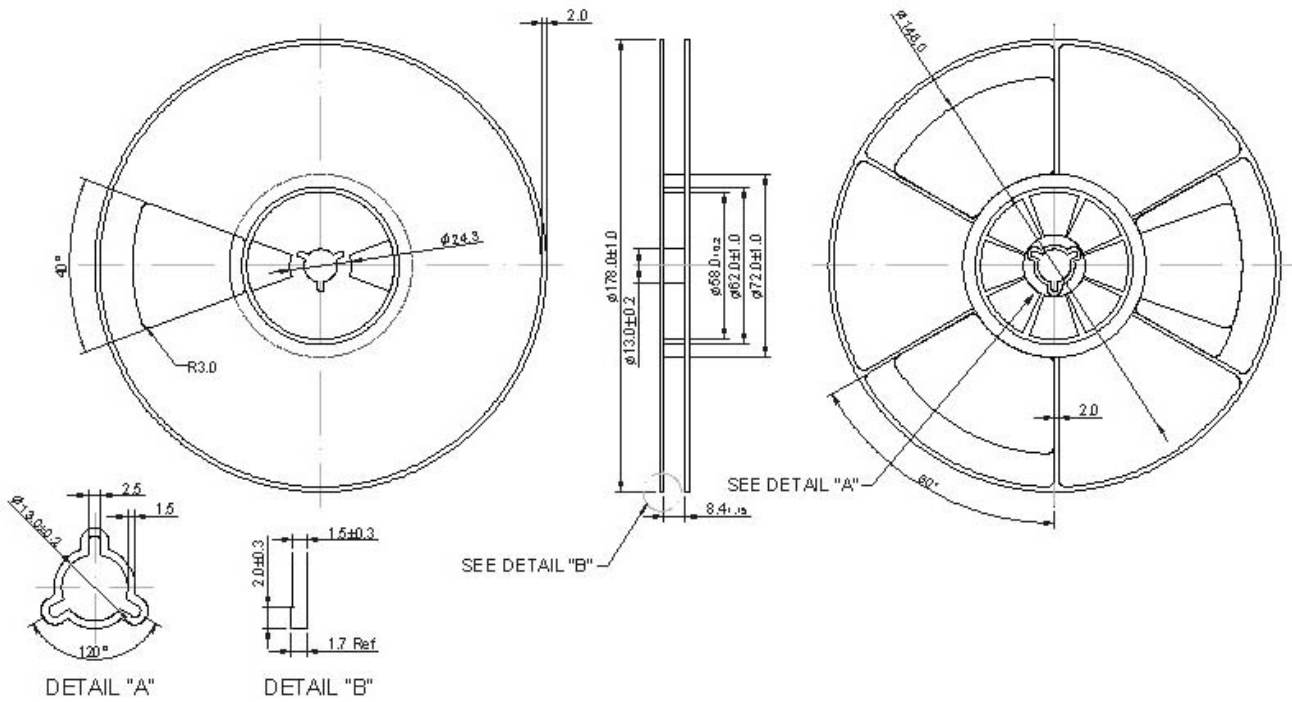


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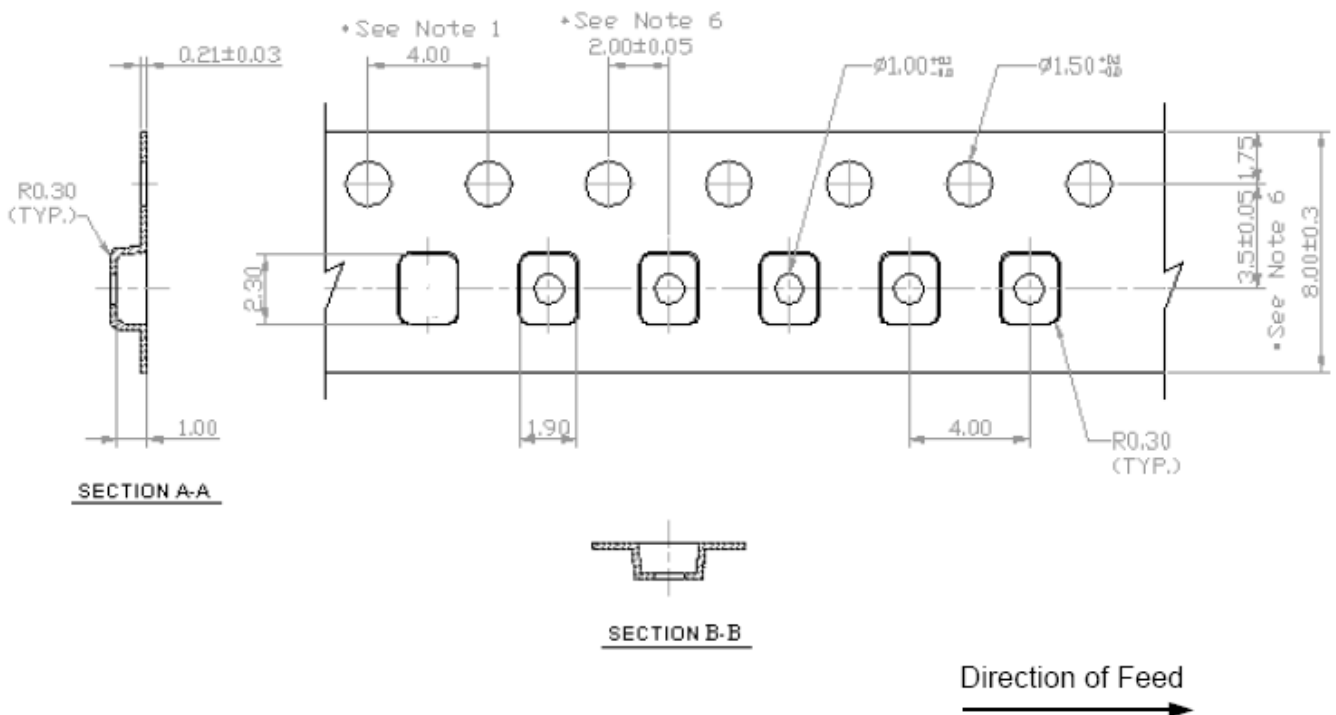
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F. PACKING:

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



2. Tape Dimension



Direction of Feed

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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. 10 sec).
4. Time: 2 times.

