

SAW Filter 751.0MHz
Part No: MP07853

Model: TA1694A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Maximum Input Power: 29 dBm
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Parameters Description	Unit	Min.	Typ.	Max.
Center Frequency (Fc)	MHz	-	751	-
Insertion Loss within 746.0 ~ 756.0MHz	dB	-	2.0	3.0
Amplitude Ripple within 746.0 ~ 756.0MHz	dB p-p	-	0.5	2.2
VSWR within 746.0 ~ 756.0MHz	-	-	1.8	2.2
Amplitude balance within 746.0 ~ 756.0MHz	dB	-1.0	-0.1 ~ +0.2	+1.0
Phase balance within 746.0 ~ 756.0MHz	deg	-10	-1.0 ~ +1.0	+10
Attenuation:				
DC ~ 716.0MHz	dB	45	66	-
716.0 ~ 722.0MHz	dB	40	55	-
777.0 ~ 787.0MHz	dB	48	55	-
808.0 ~ 818.0MHz	dB	43	48	-
1400.0 ~ 2300.0MHz	dB	50	65	-
2300.0 ~ 3000.0MHz	dB	44	58	-
3000.0 ~ 4000.0MHz	dB	35	52	-
4000.0 ~ 5000.0MHz	dB	30	47	-
5000.0 ~ 6000.0MHz	dB	25	47	-

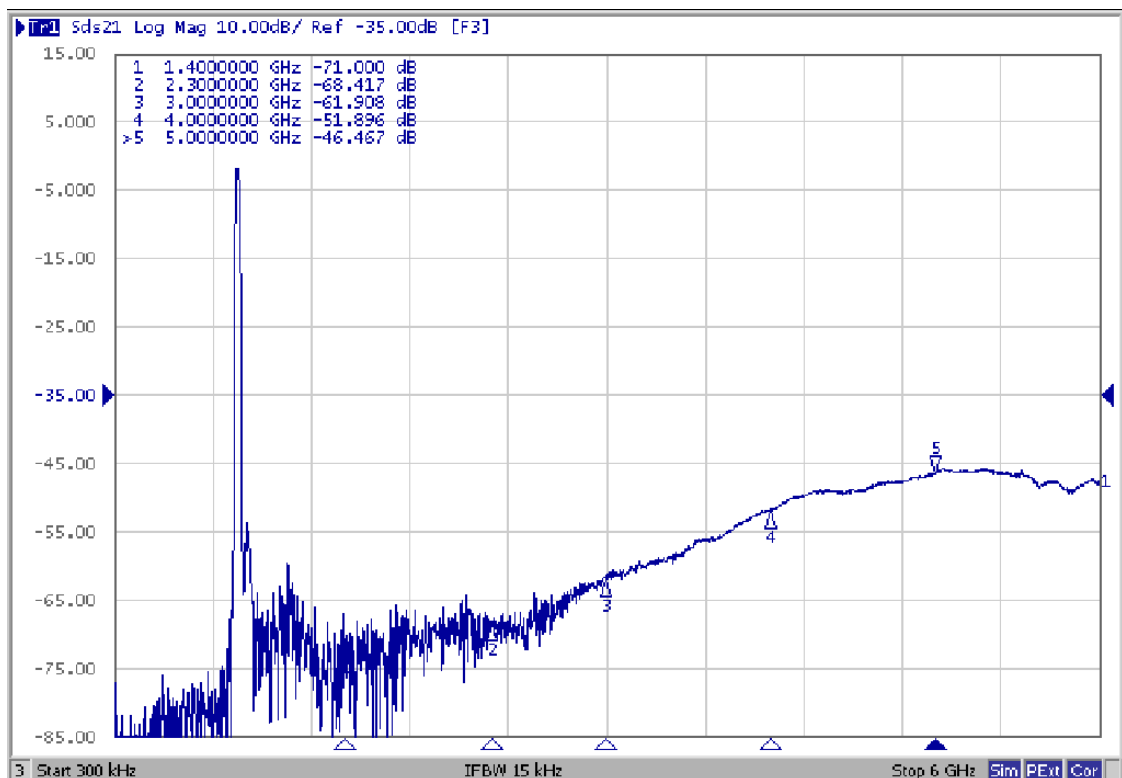
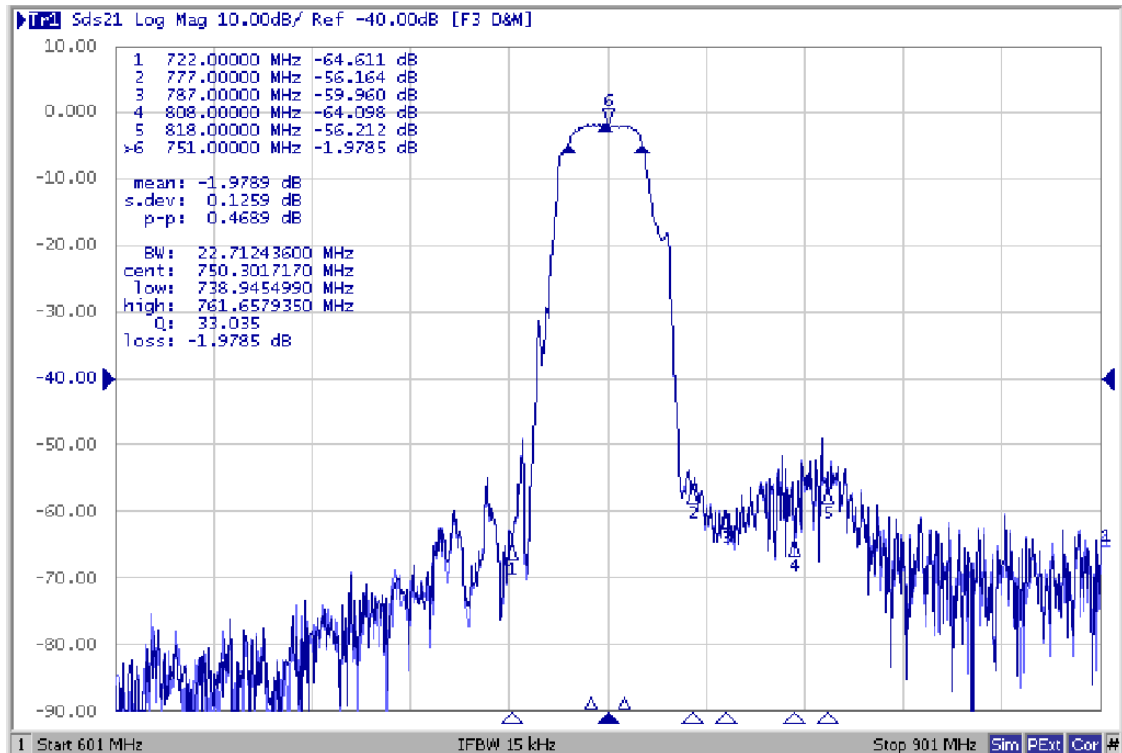
Note: No Matching Network

SAW Filter 751.0MHz
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C. FREQUENCY CHARACTERISTICS:

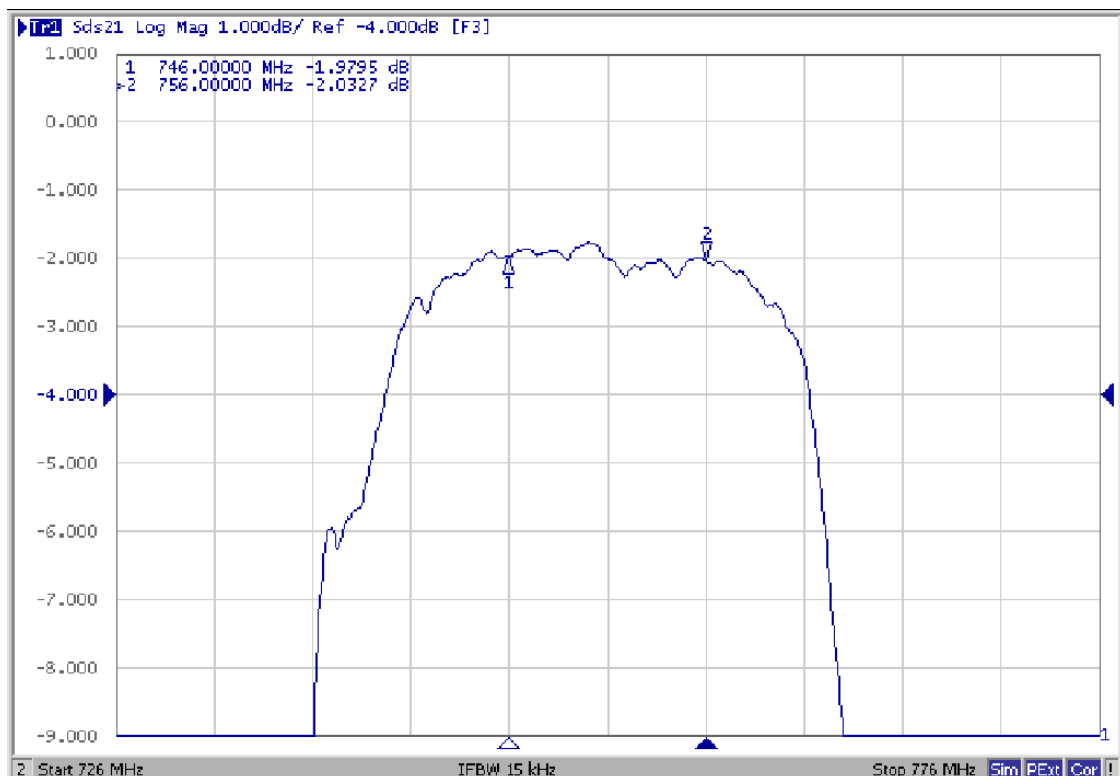
1. Frequency Response



SAW Filter 751.0MHz
Part No: MP07853

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Rev No: 1

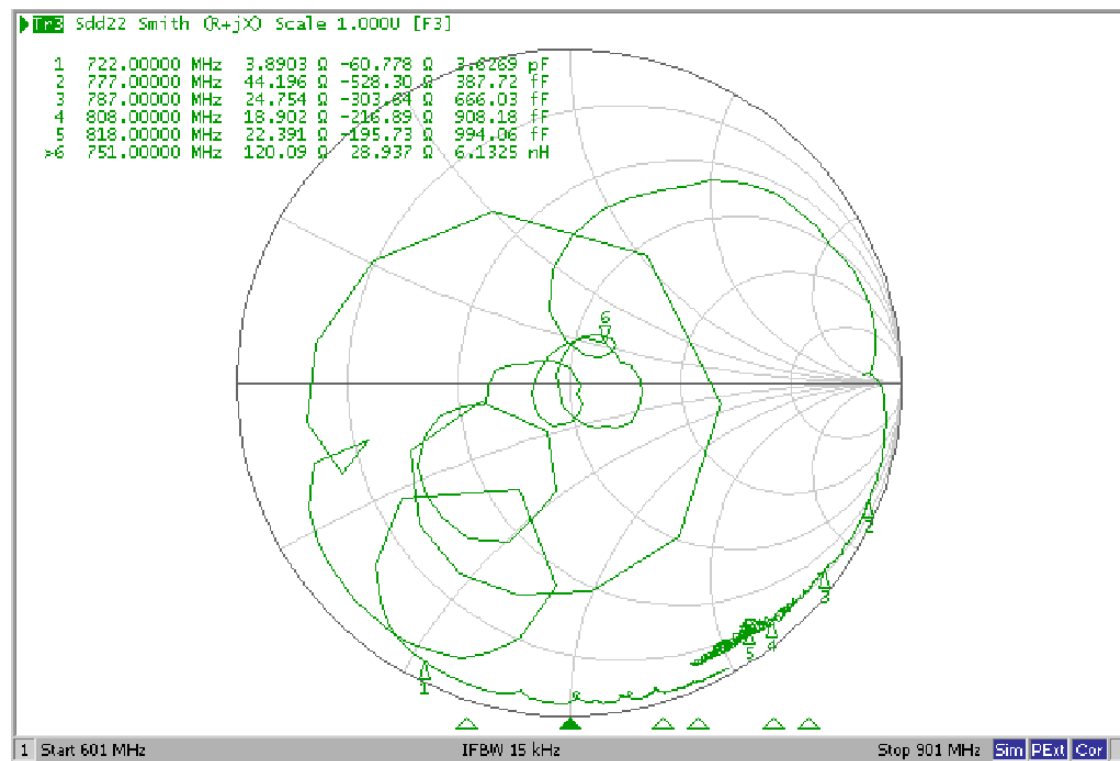
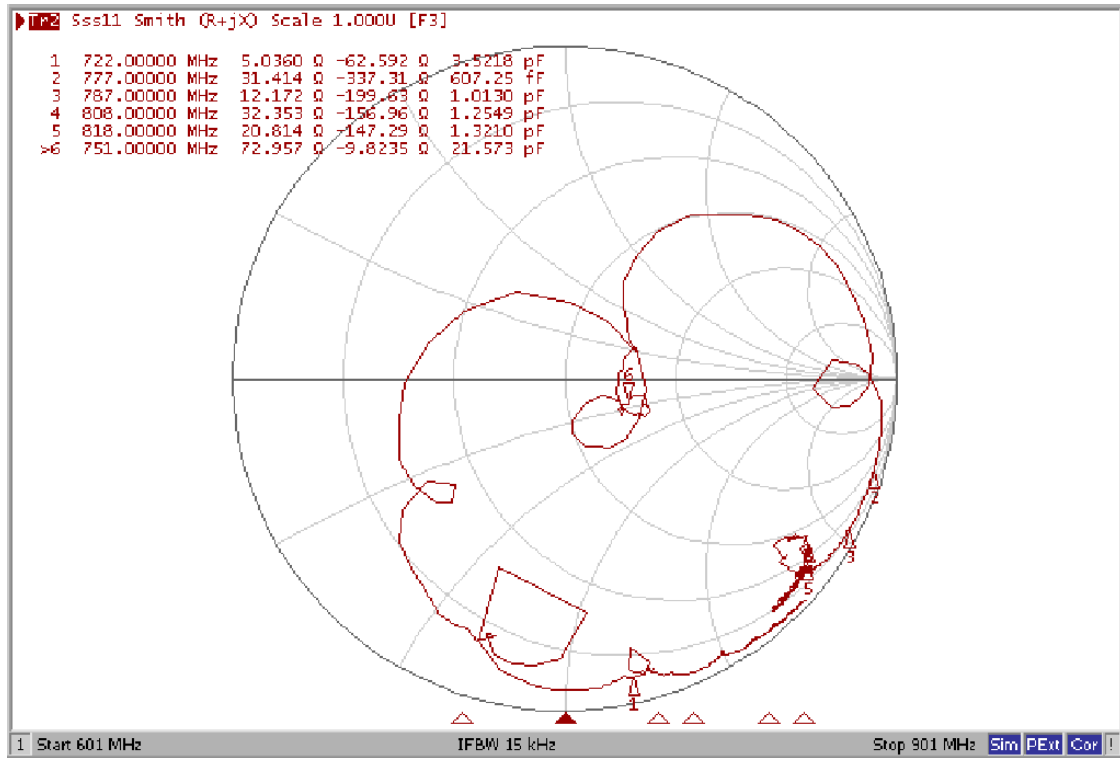
2. VSWR



SAW Filter 751.0MHz
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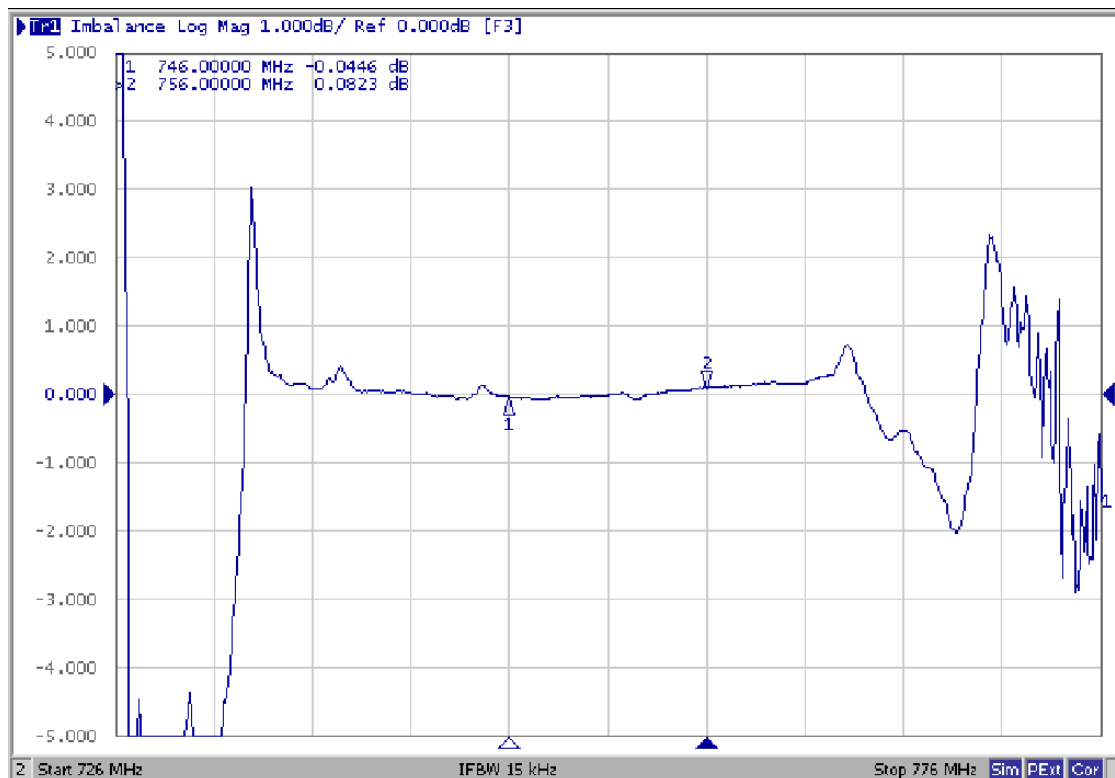
3. Smith Chart



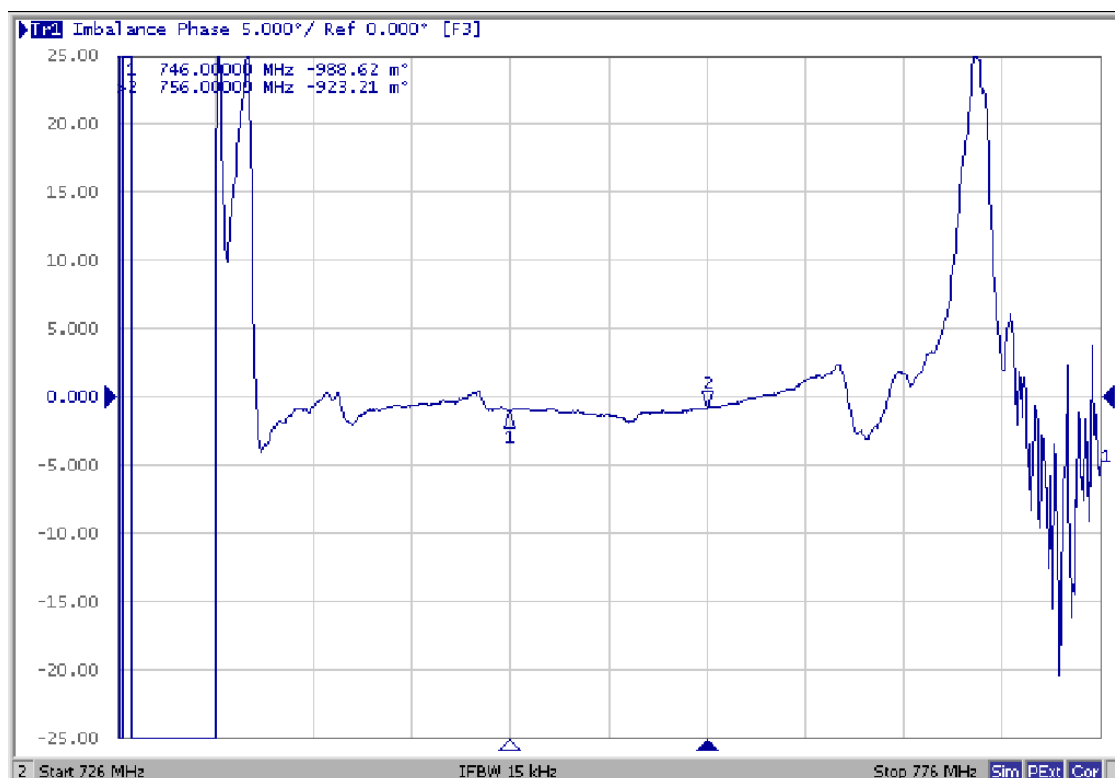
SAW Filter 751.0MHz
Part No: MP07853

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Rev No: 1

4. Amplitude balance



5. Phase balance



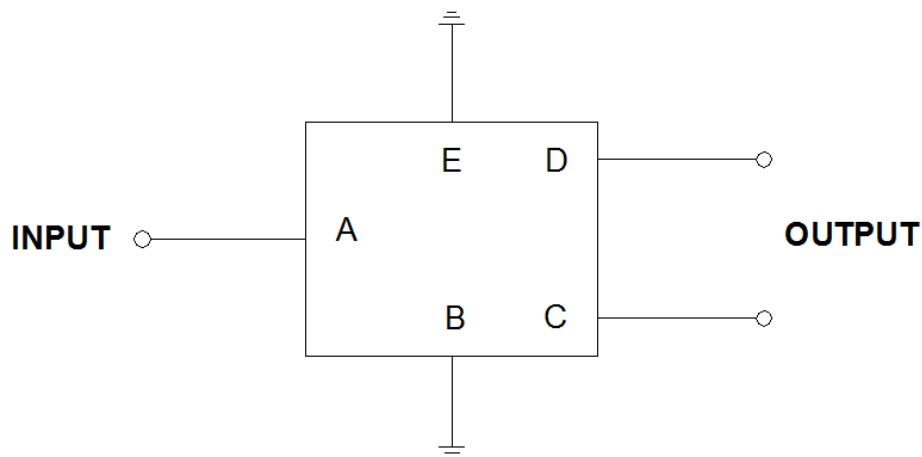
SAW Filter 751.0MHz

Model: TA1694A

Part No: MP07853

Rev No: 1

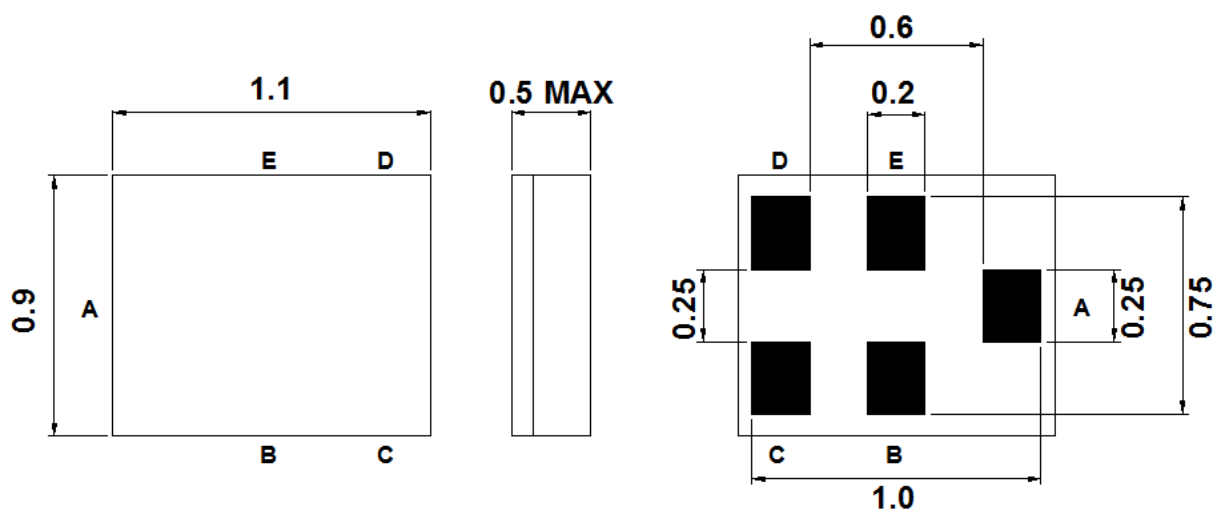
D. MEASUREMENT CIRCUIT:



Source Impedance: 50Ω

Load Impedance: 100Ω

E. OUTLINE DRAWING:



B, E: Ground

A: Input

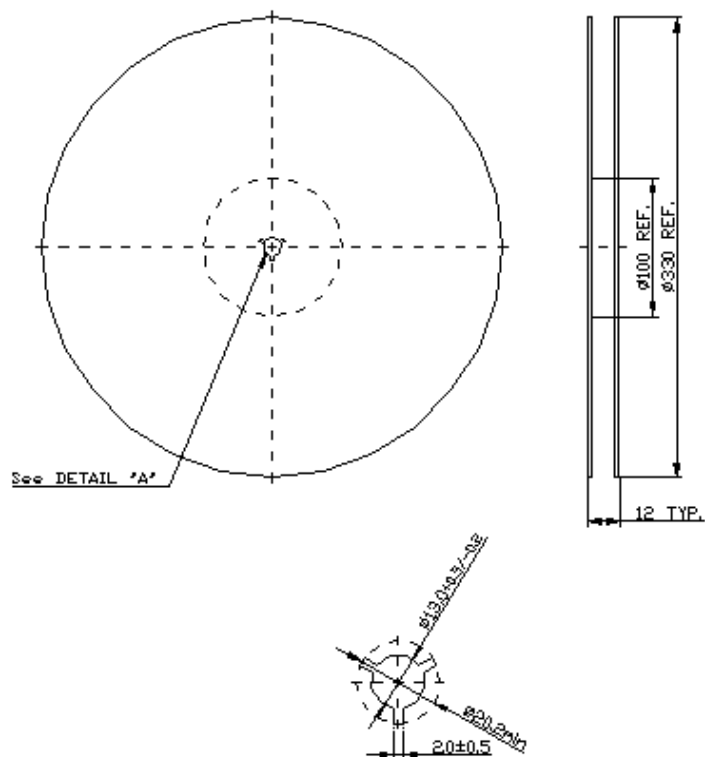
C, D: Balanced output

SAW Filter 751.0MHz
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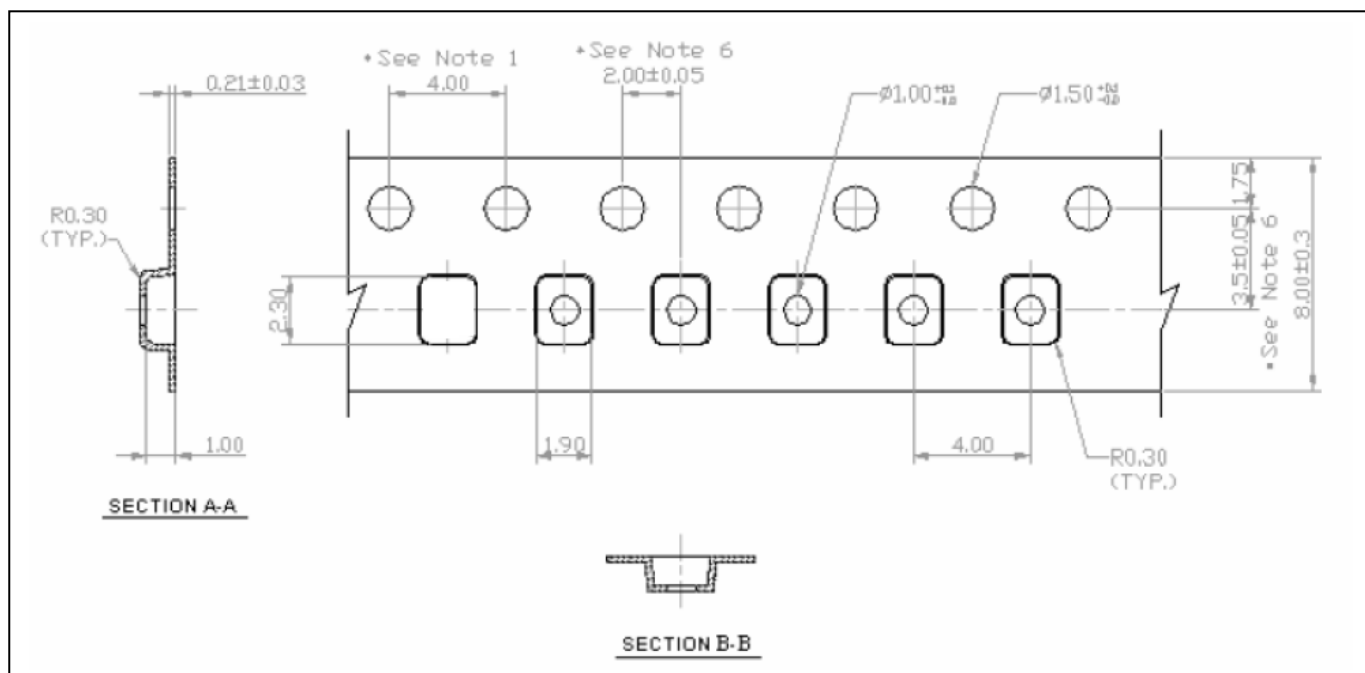
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Rev No: 1

F. PACKING:

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



2. Tape Dimension



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G. RECOMMENDED REFLOW PROFILE:

