



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.

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Product Specifications Approval Sheet

Product Name: SAW Filter 751MHz 10MHz BW SMD 1.1×0.9 mm

TST Parts No.: TA1694A

Customer Part No.: _____

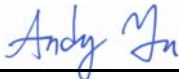
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Andy Yu 

Approved by: _____ Bob Chau 

Date: _____ 2013, 11, 25

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes



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SAW Filter 751MHz 10MHz BW SMD 1.1×0.9 mm

MODEL NO.: TA1694A

REV. No.: 1.0

A. MAXIMUM RATING:

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

RoHS Compliant
Lead free
Lead-free soldering

Electrostatic Sensitive Device (ESD)

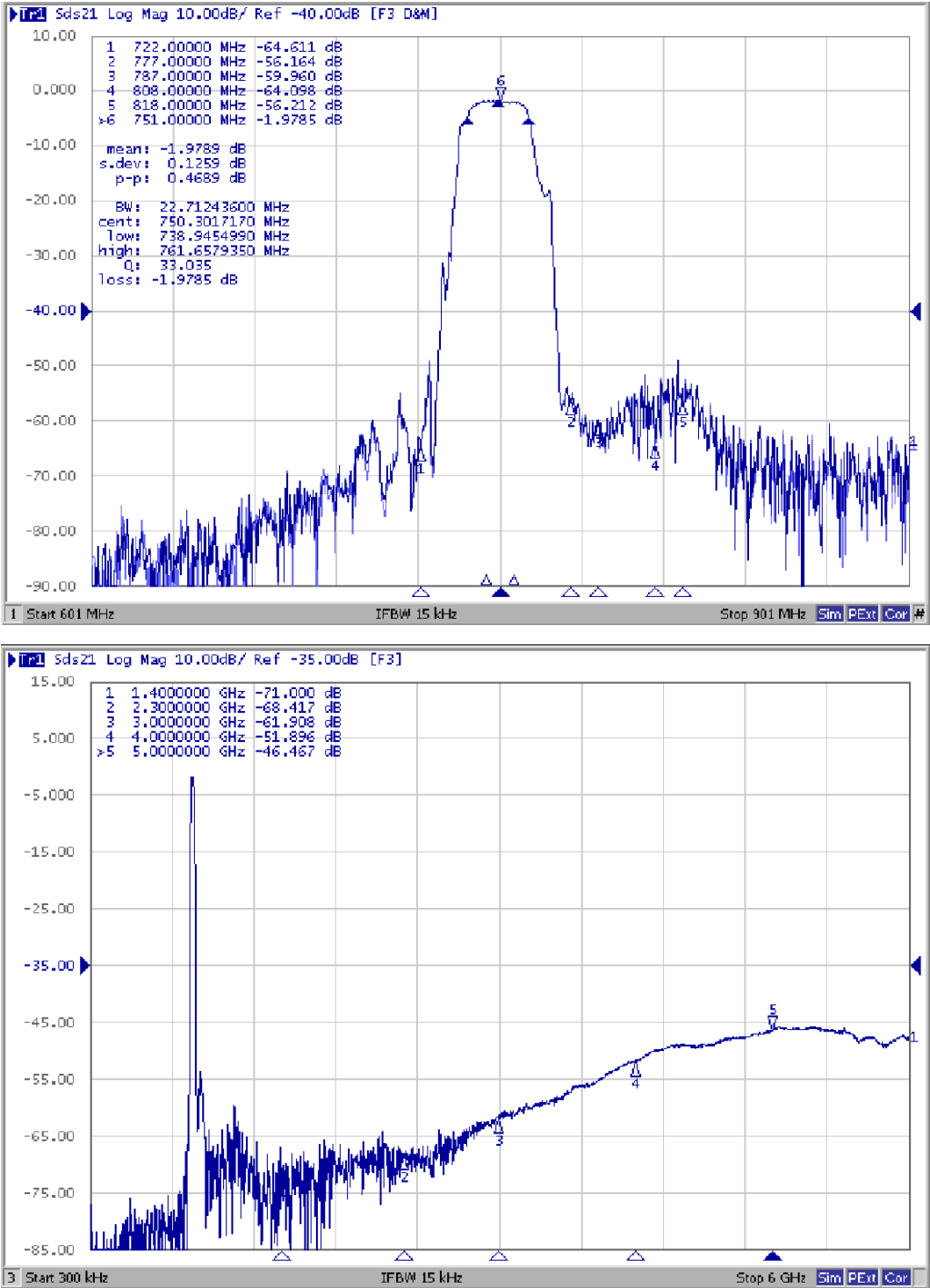
B. ELECTRICAL CHARACTERISTICS:

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

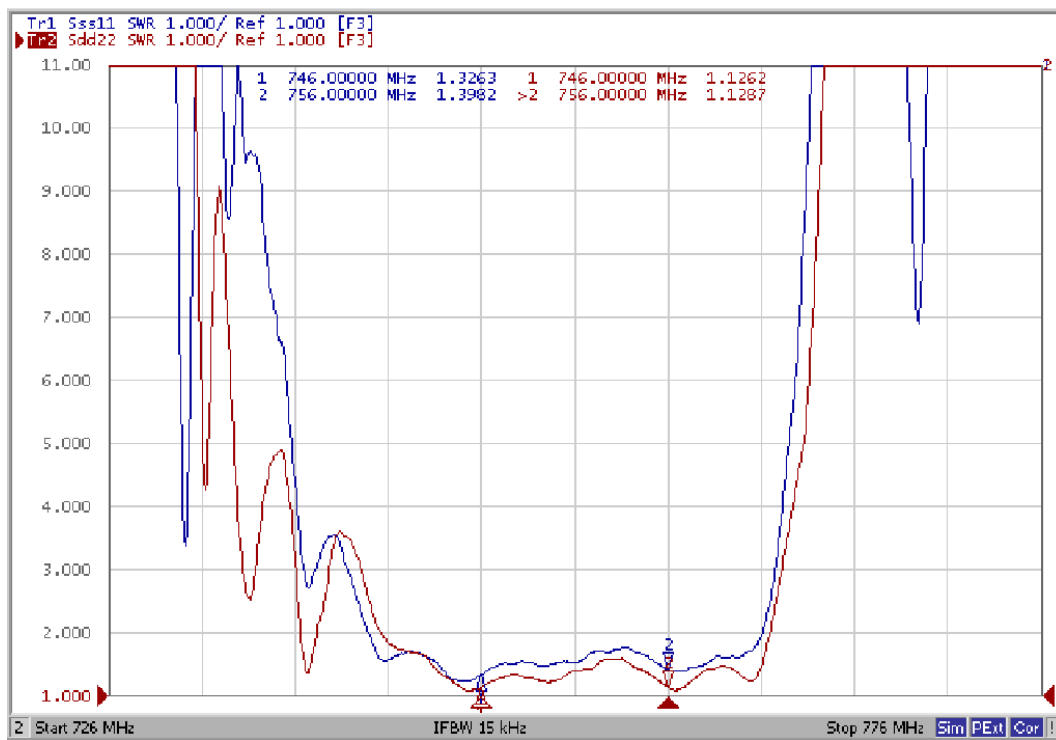
Notes : (1) No Matching Network .

C. Frequency Characteristics :

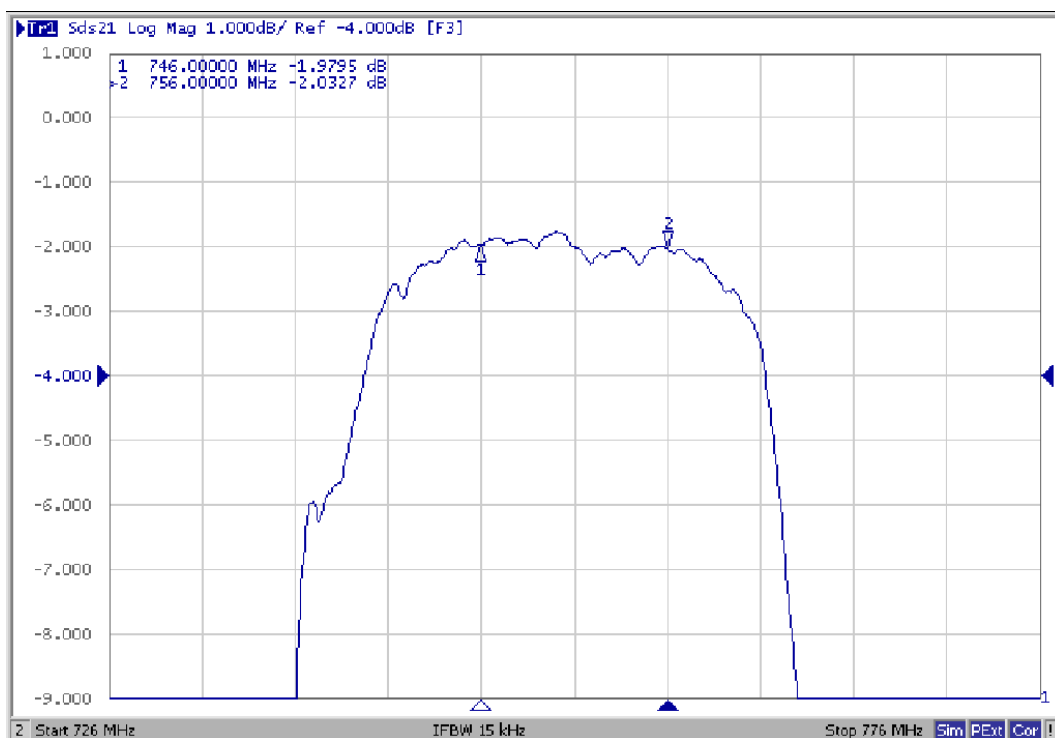
Frequency Response



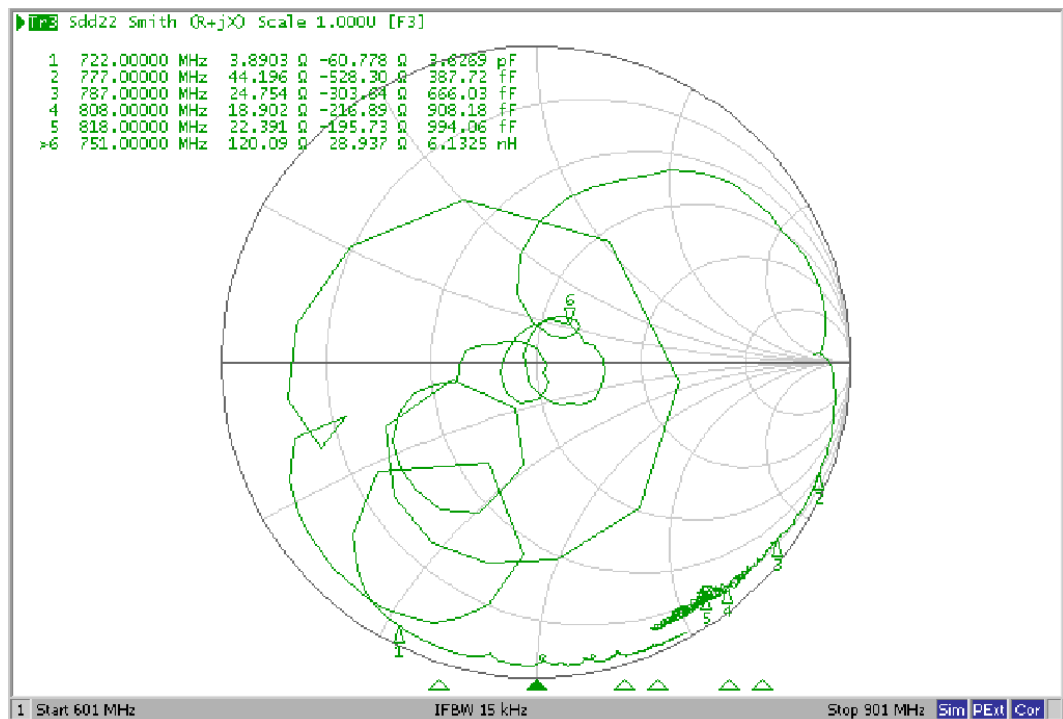
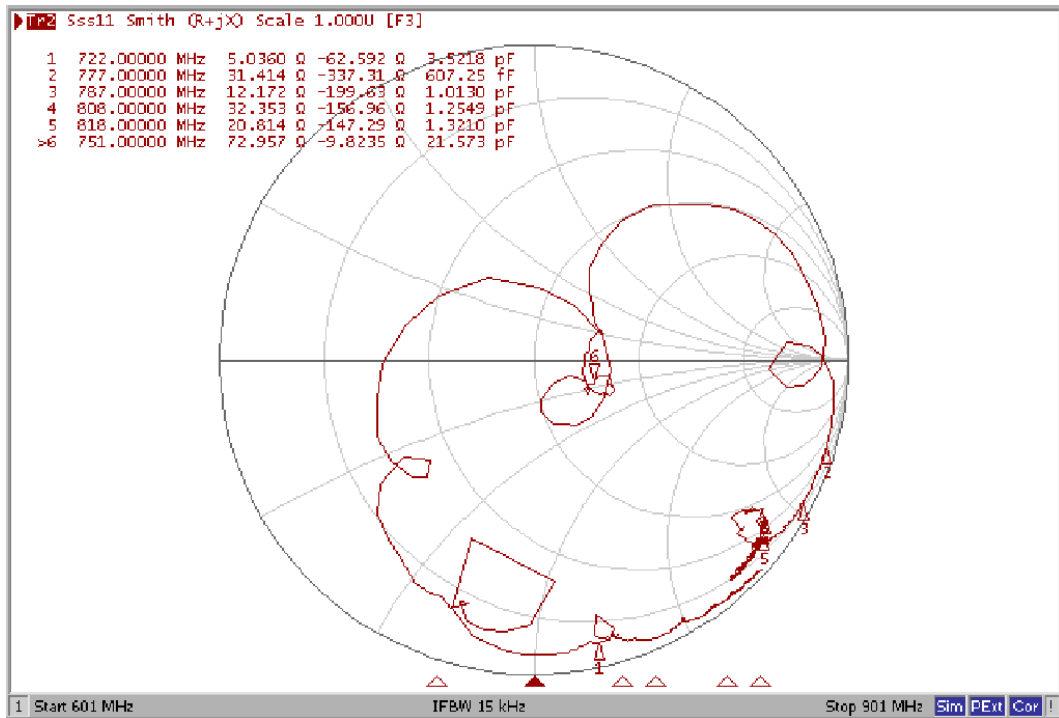
VSWR



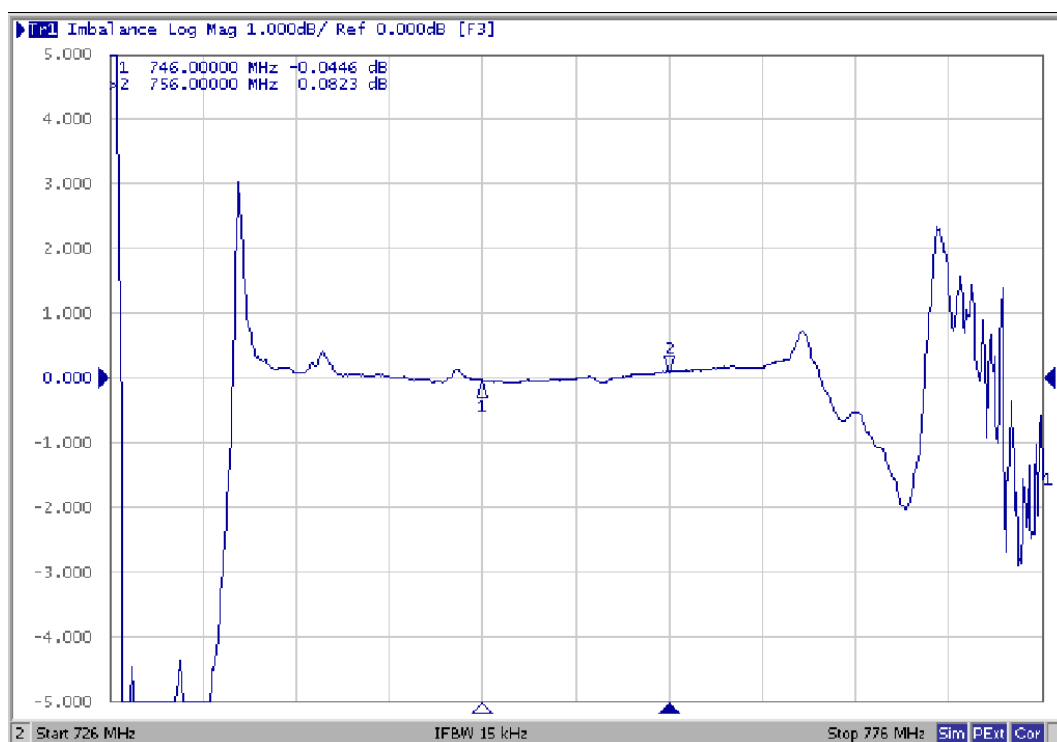
Ripple



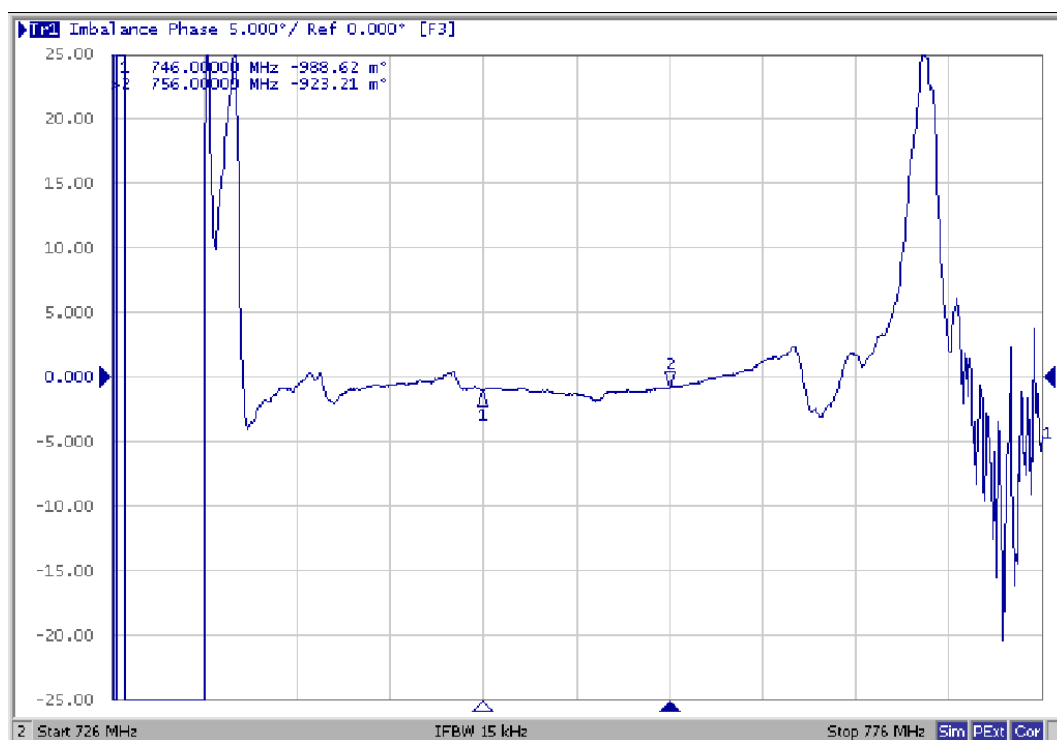
Smith Chart



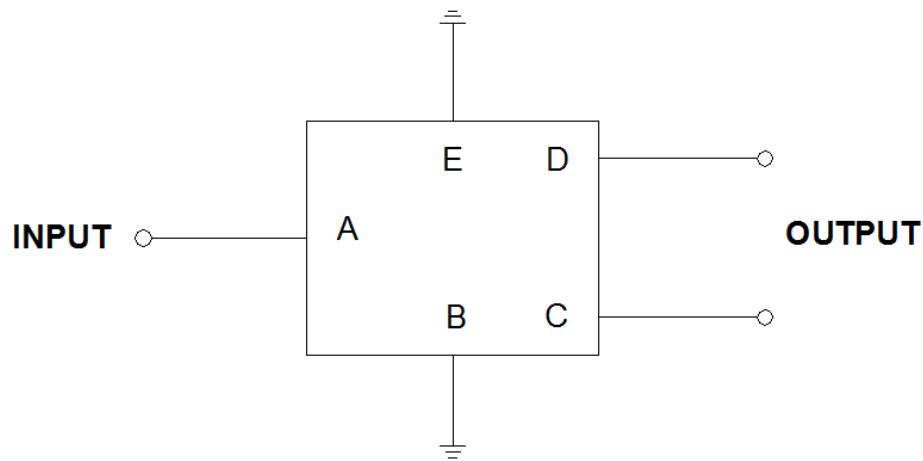
Amplitude balance



Phase balance

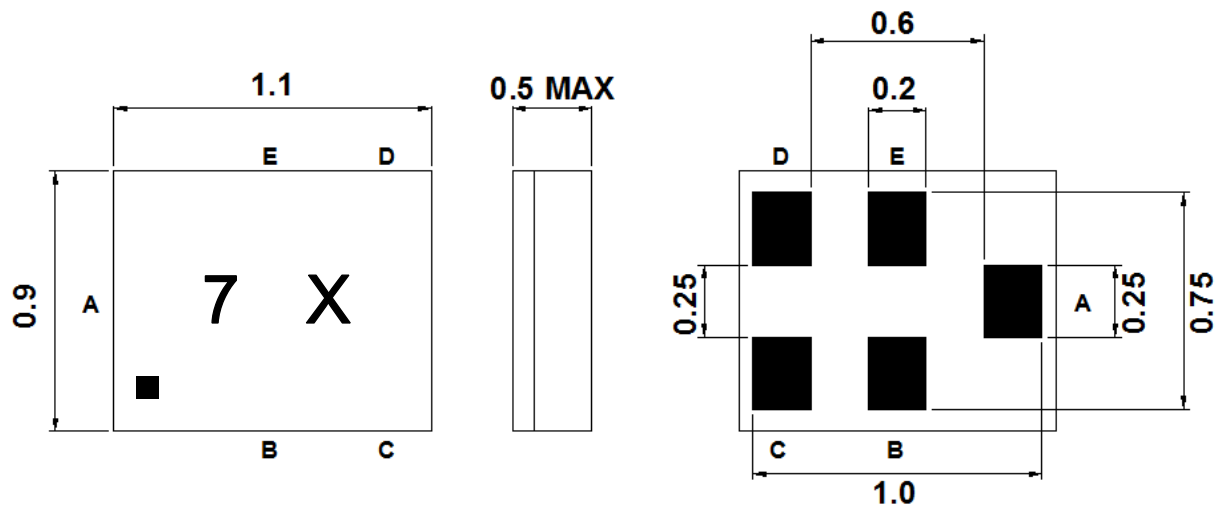


D. MEASUREMENT CIRCUIT:



Source Impedance: 50 Ω
Load Impedance: 100 Ω

E.OUTLINE DRAWING:



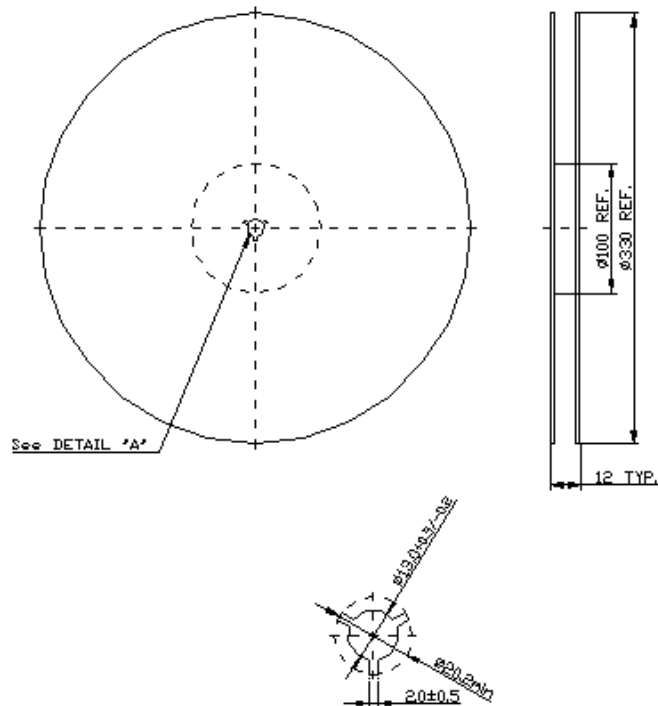
Marking Descriptions	
7	Series Number
X	Date Code(Year+Month)

Pin Description	
B, E	Ground
A	Input
C,D	Balanced Output

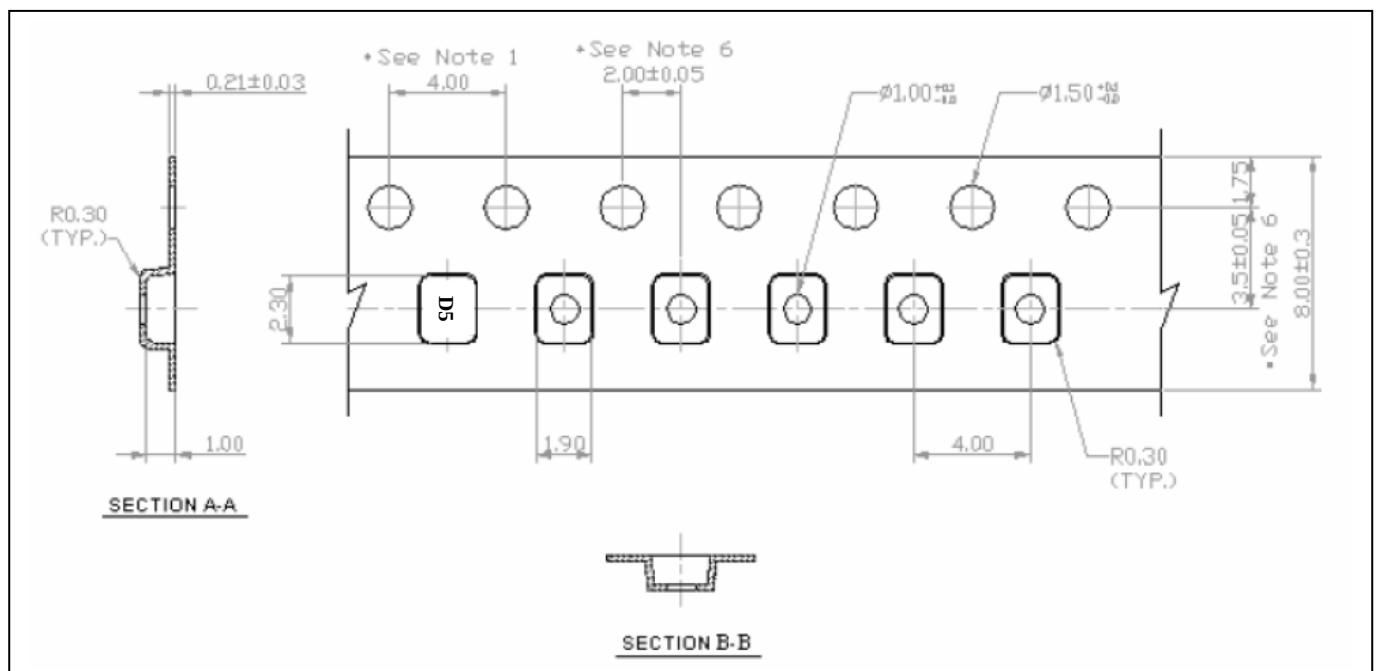
E. PACKING:

1. REEL DIMENSION

(Please refer to FR-75D10 for packing quantity)



2.TAPE DIMENSION



F. RECOMMENDED REFLOW PROFILE :

