TAI-SAW TECHNOLOGY CO., LTD.
No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
Taoyuan, 324, Taiwan, R.O.C.
TEL: 886-3-4690038 FAX: 886-3-4697532
E-mail: tstsales@mail.taisaw.com Web: www.taisaw.com

Product Specifications Approval Sheet

Product Name: SAW Filter 915 MHz (BW 26MHz) SMD 2.0 x 1.6 mm

TST Parts No.: TA1102B

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____ Sam Lin _____

Approval by:_____ Bob Chau _____

Date:_____ 08/04/2016 _____

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 915MHz

MODEL NO.:TA1102B REV. NO.:1

A. MAXIMUM RATING:

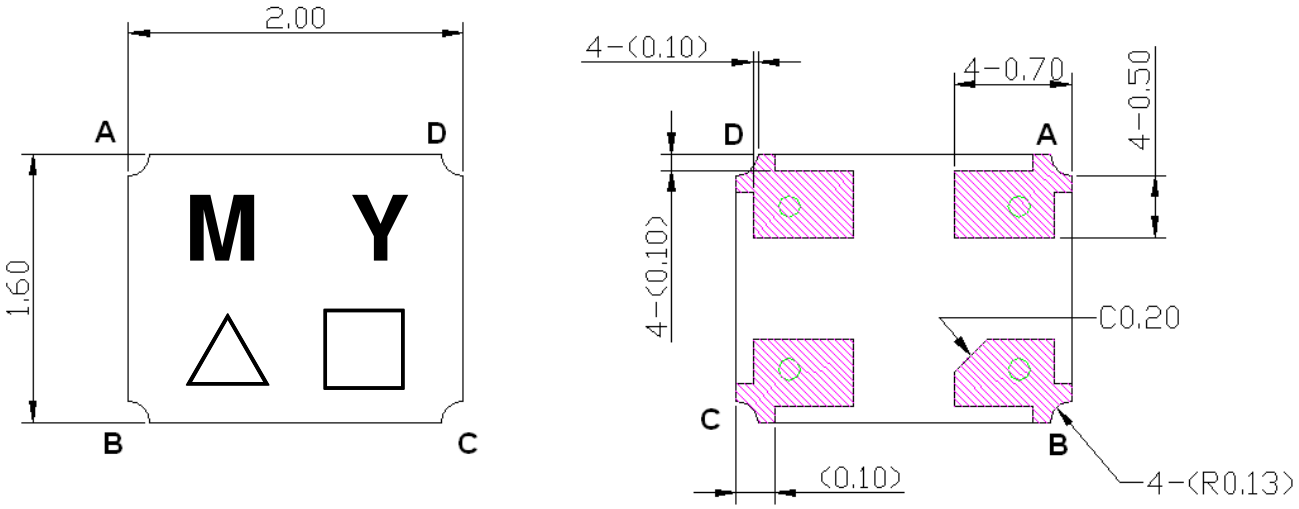
1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40℃ to +105℃
4. Storage Temperature: -40℃ to +105℃

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item		Unit	Min	Typical	Max
Center Frequency	**Fc**	MHz	-	915	-
Insertion Loss (902~928 MHz)	**IL**	dB	-	2.5	3
Amplitude Ripple (902~928 MHz)		dB	-	0.8	1.5
Group Delay Variation (902~928 MHz)		ns	-	35	50
Input/Output Return Loss (902~928 MHz)		dB	8	9.5	-
Attenuation (Reference level from 0 dB)					
10 ~ 857.5 MHz		dB	40	55	-
857.5 ~ 882.5 MHz		dB	35	45	-
970 ~ 1005 MHz		dB	35	40	-
1005 ~ 1110 MHz		dB	45	55	-
1110 ~ 3000 MHz		dB	30	35	-

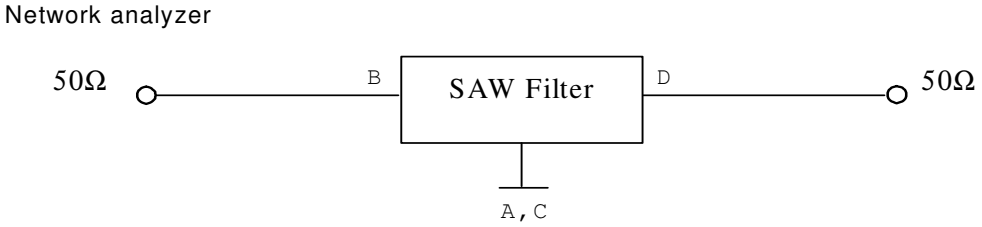
C.OUTLINE DRAWING:



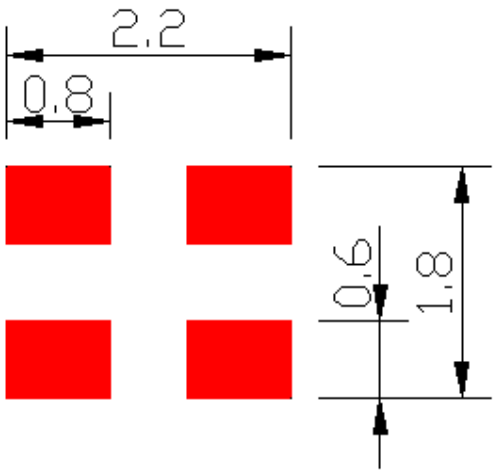
#B:	Input
#D:	Output
#A,C:	Ground
Unit:	mm

△**:** Year(2011:1)
□**:** Week(A~Z:Week01~26, a~z:Week27~52)

D. MEASUREMENT CIRCUIT:

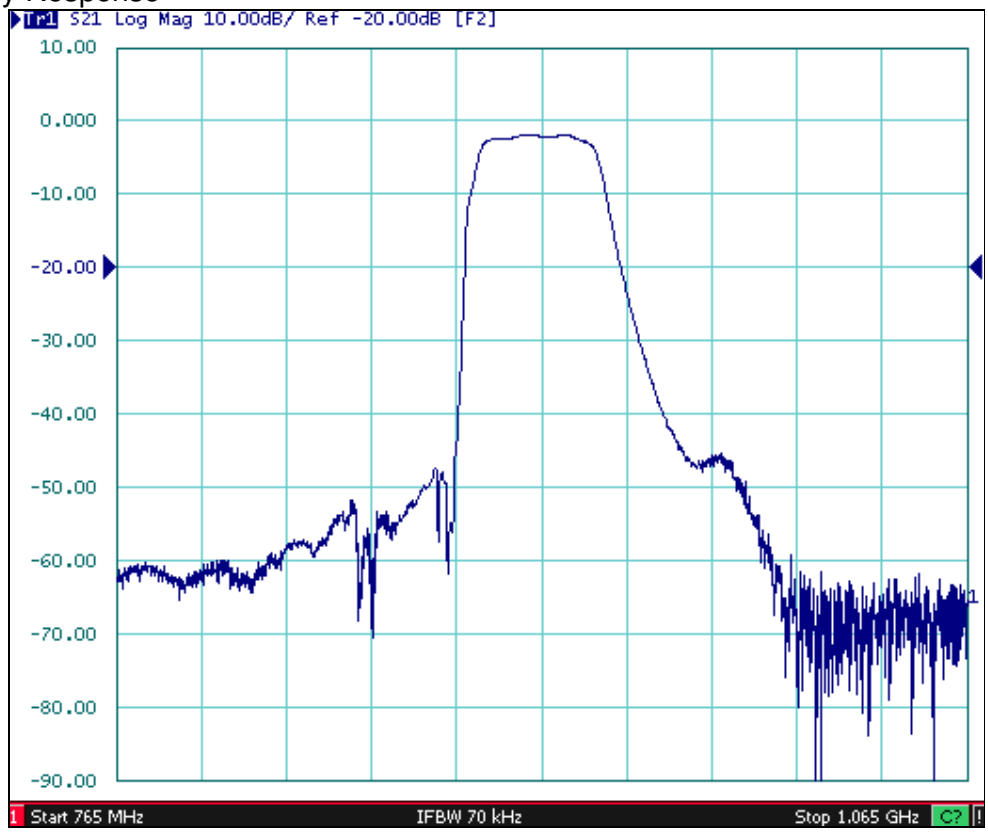


E. PCB Footprint:

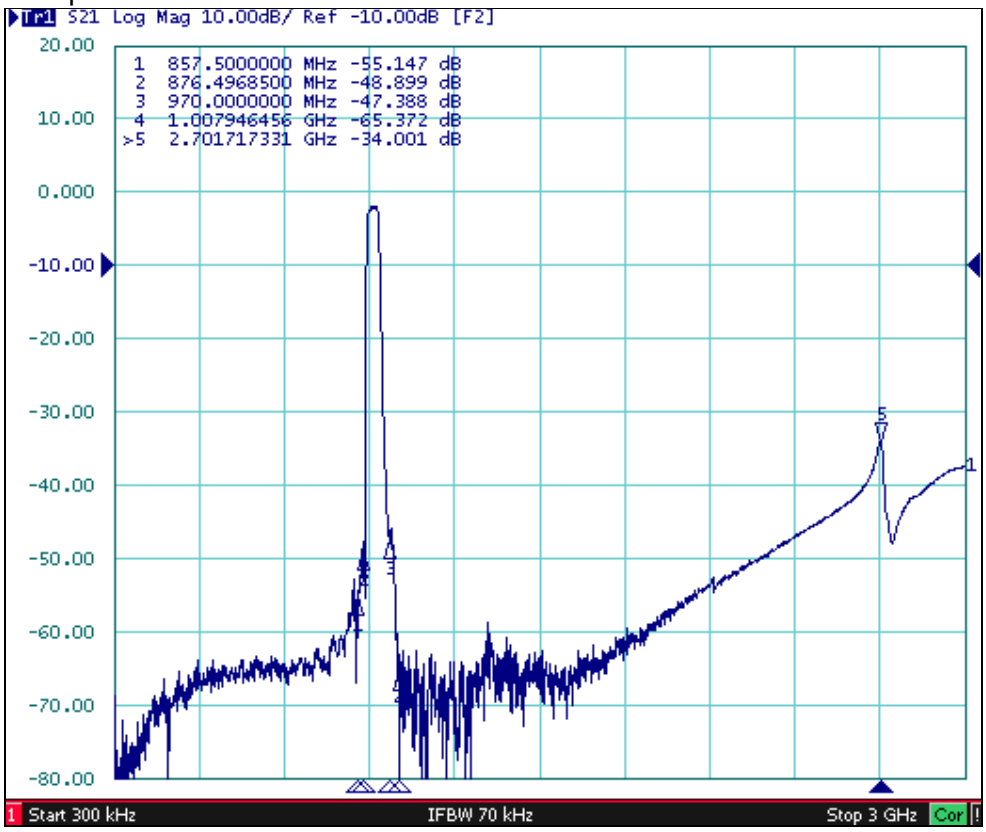


F. Frequency Characteristics : (Measure Demo board)

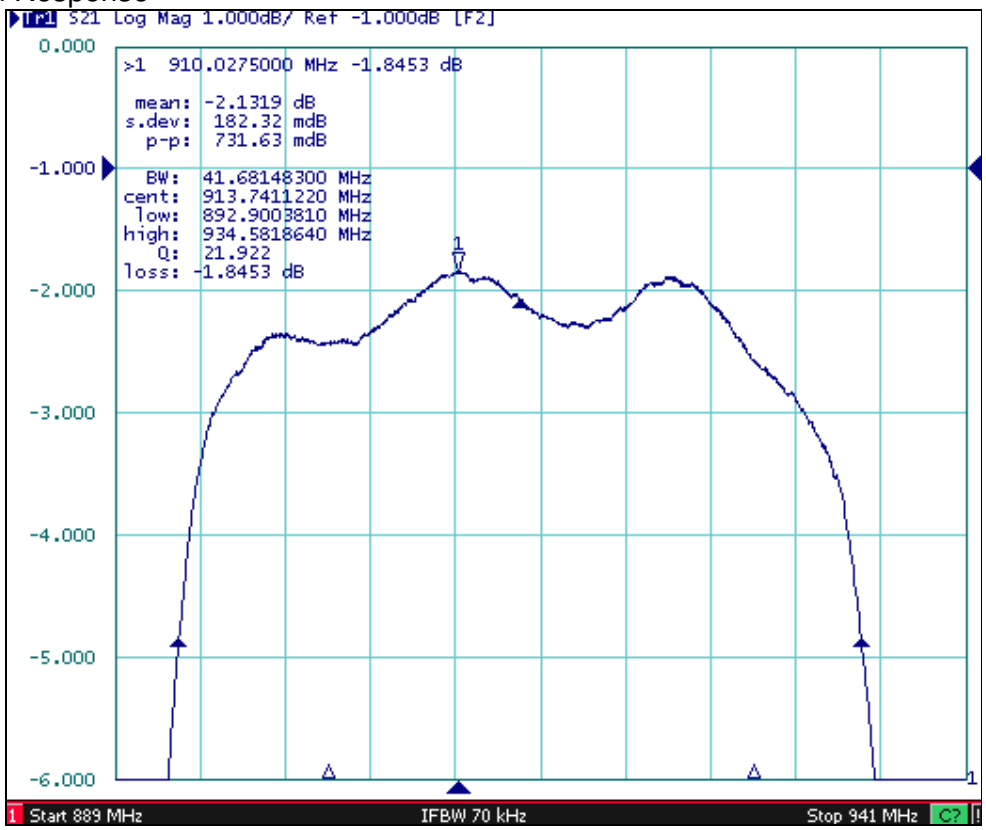
Frequency Response



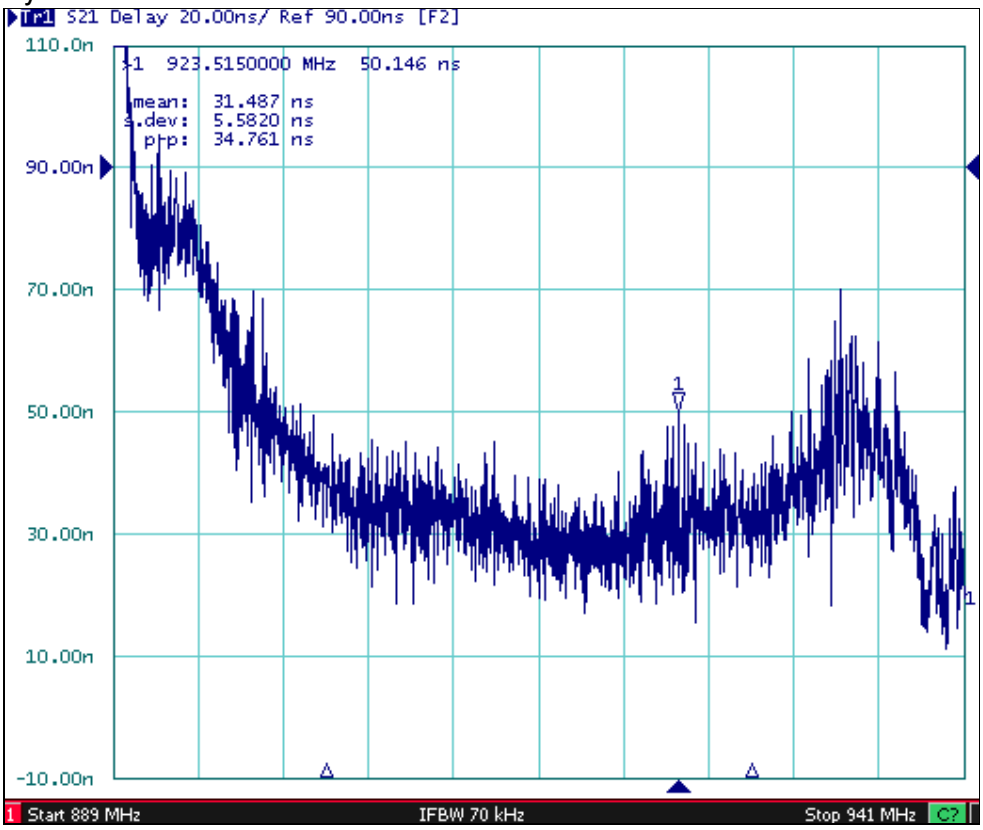
Wideband Response



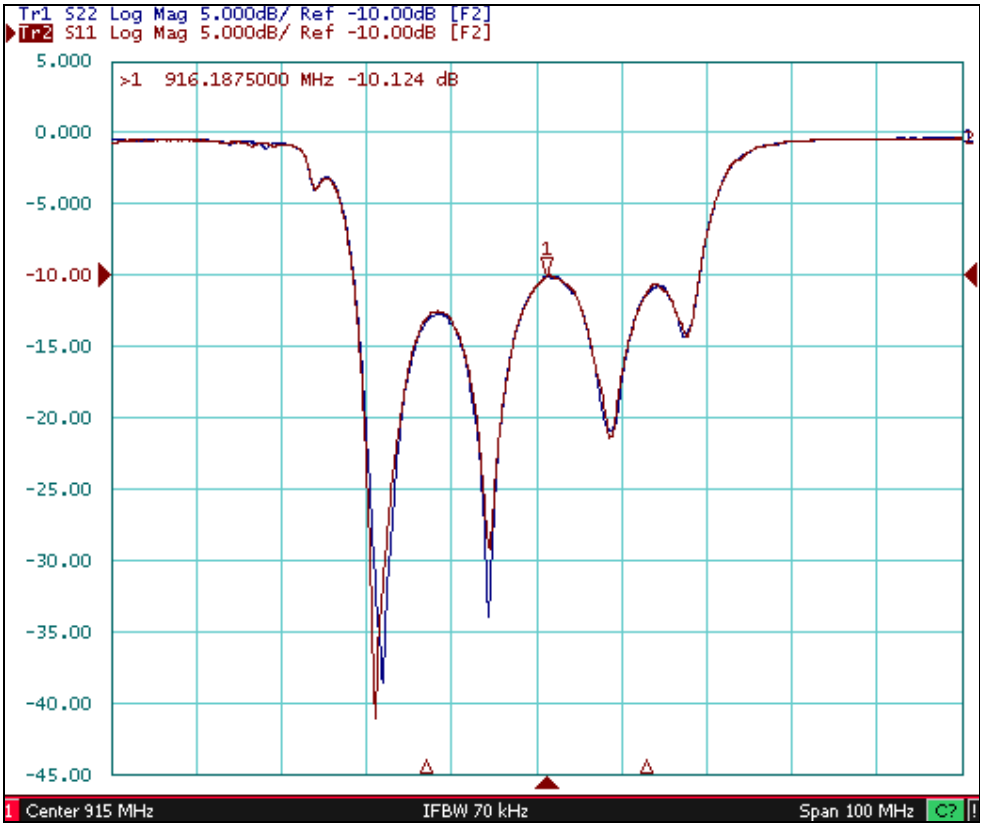
Passband Response



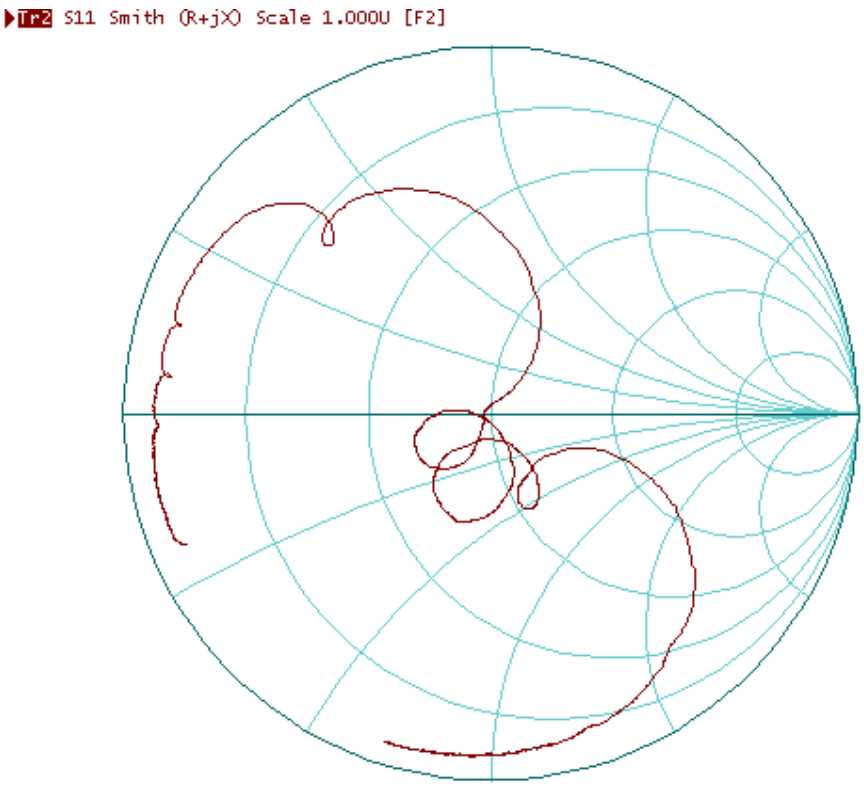
Group Delay Variation



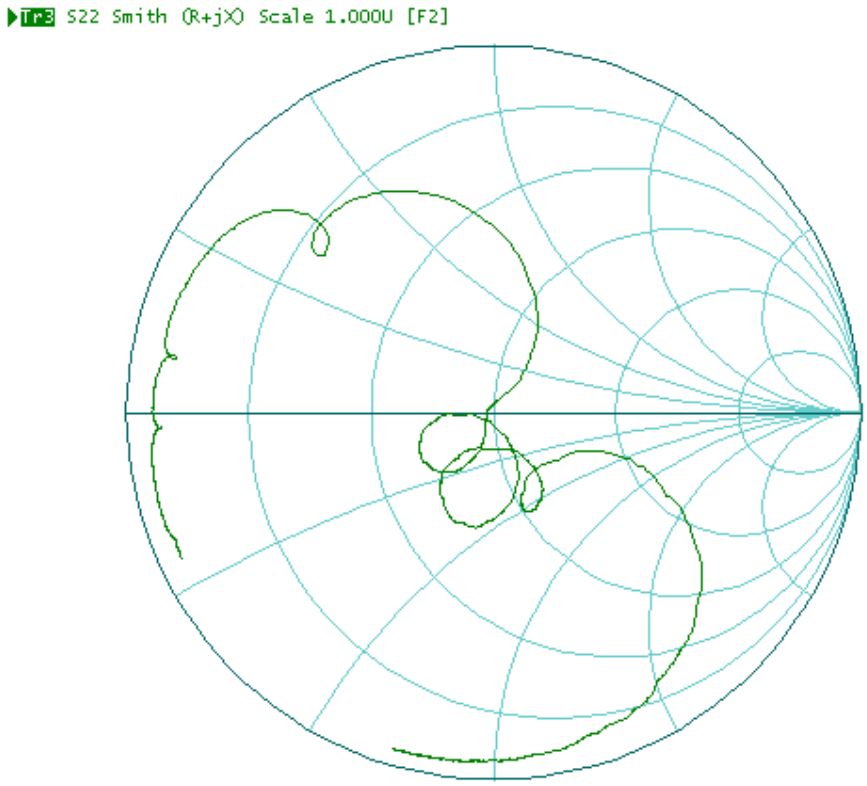
Return Loss



S11 Smith chart

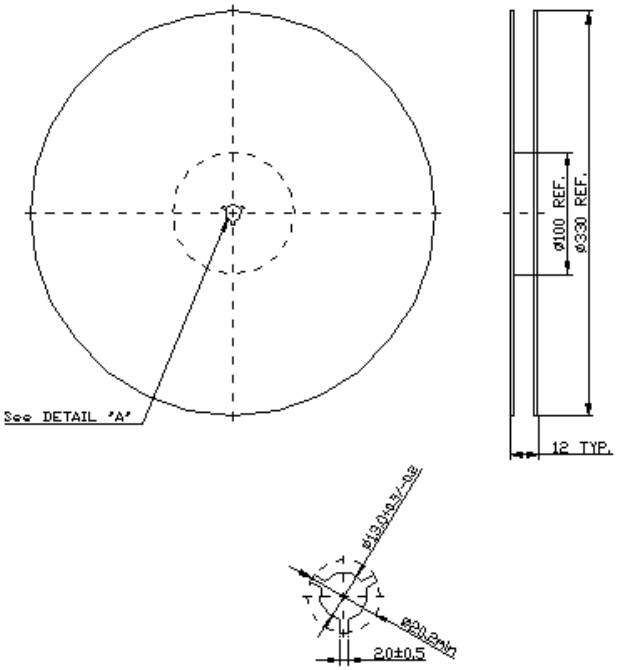


S22 Smith chart

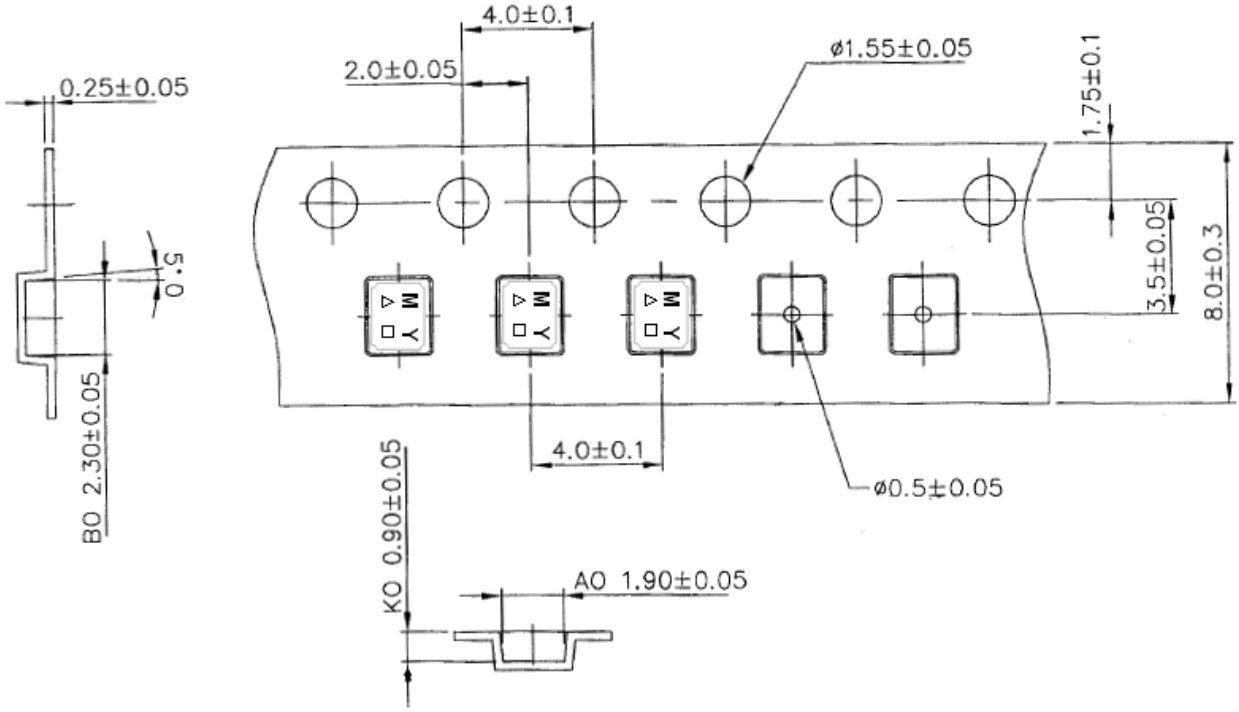


G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.