



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 Description: SAW Filter 915MHz 2.0 x 1.6 mm

TST Part No.: TA1102A

Customer Part No.: _____

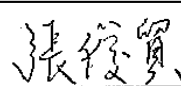
Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ Jun-Mao Chang 

Approved by: _____ Andrew Lee 

Date: _____ 2. 14. 2011

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.:TA1102A

REV. NO.:2

A. MAXIMUM RATING:

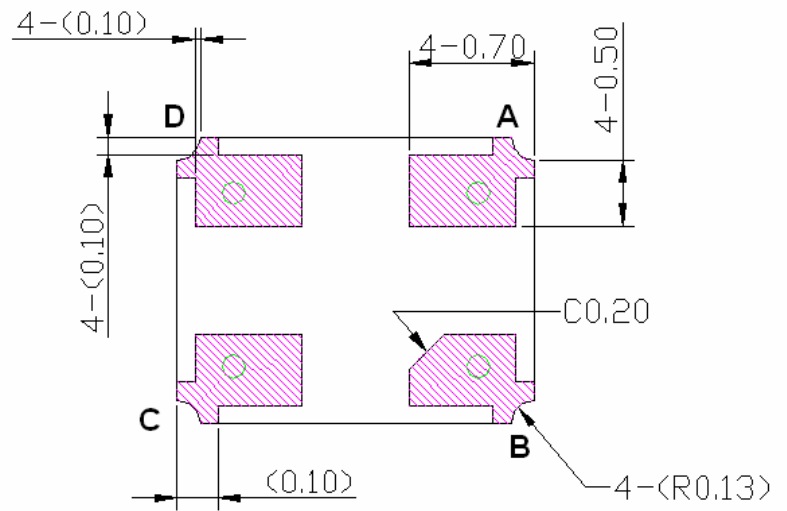
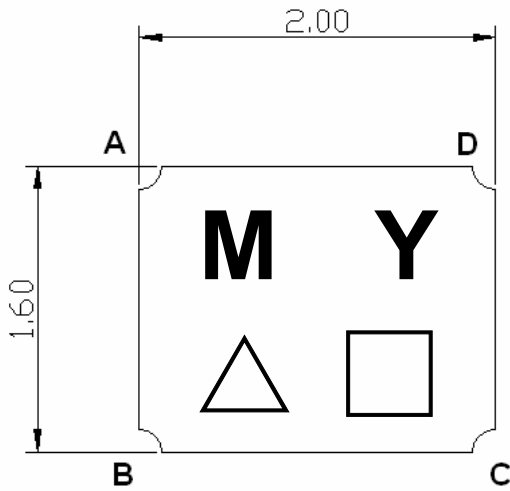
1. Input Power Level: 15 dBm
2. DC Voltage : 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Typical	Max
Center Frequency F_c	MHz	-	915	-
Insertion Loss (902~928 MHz) IL	dB	-	2	3 max
Amplitude Ripple (902~928 MHz)	dB	-	0.8	1.5 max
Group Delay Variation (902~928 MHz)	ns	-	35	50 max
Input/Output Return Loss (902~928 MHz)	dB	-	9.5	8 min
Attenuation (Reference level from 0 dB)				
10 ~ 857.5 MHz	dB	40 min.	55	-
857.5 ~ 882.5 MHz	dB	35 min.	48	-
970 ~ 1005 MHz	dB	35 min.	48	-
1005 ~ 1110 MHz	dB	45 min.	52	-
1110 ~ 3000 MHz	dB	30 min.	35	-

C.OUTLINE DRAWING:



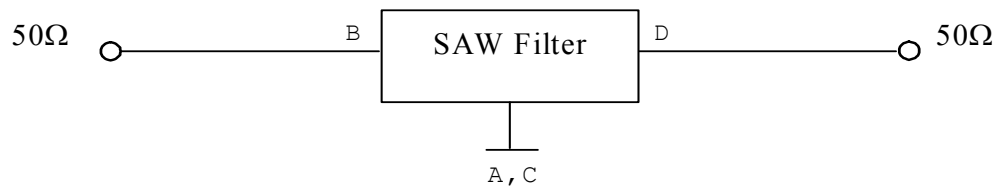
#B:	Input
#D:	Output
#A,C:	Ground
Unit:	mm

△: Year(2011:1)

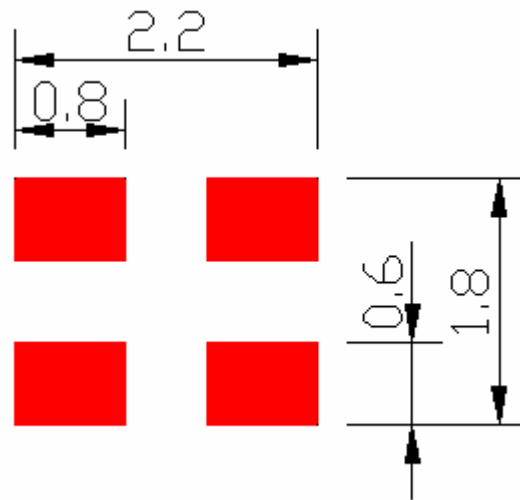
□: Week(A~Z:Week01~26, a~z:Week27~52)

D. MEASUREMENT CIRCUIT:

Network analyzer

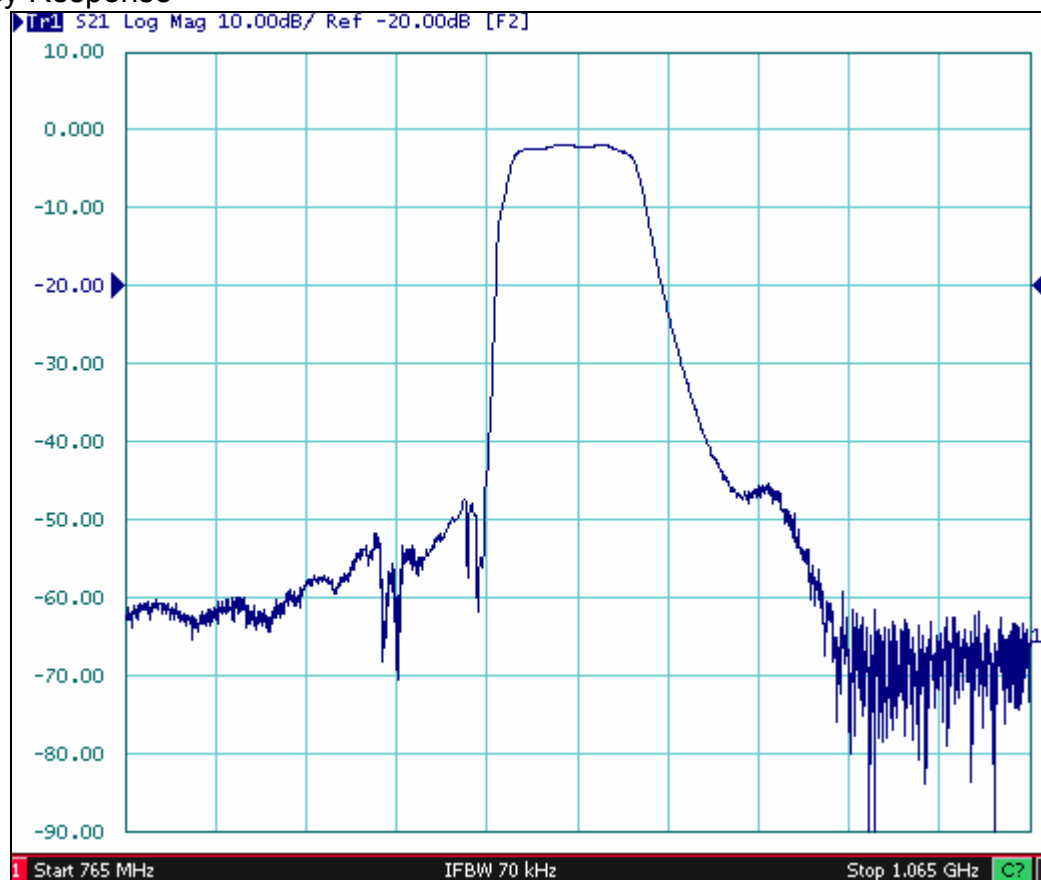


E. PCB Footprint:

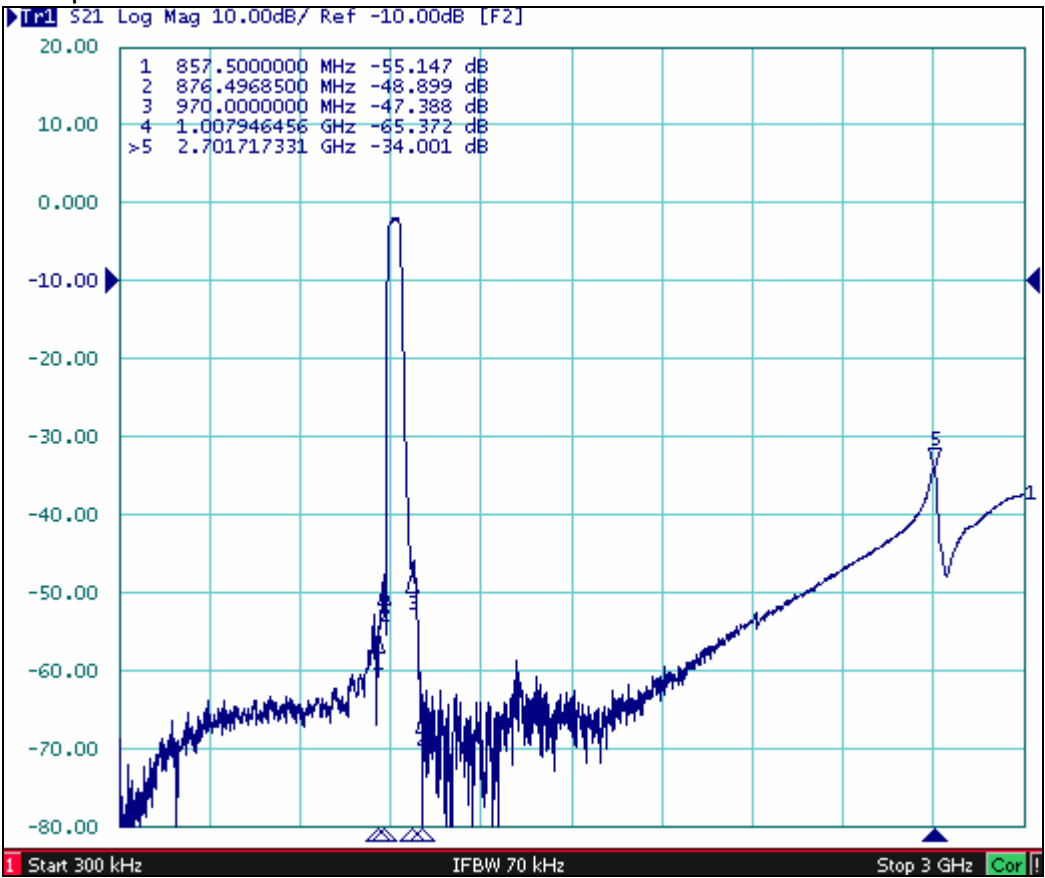


F. Frequency Characteristics : (Measure Demo board)

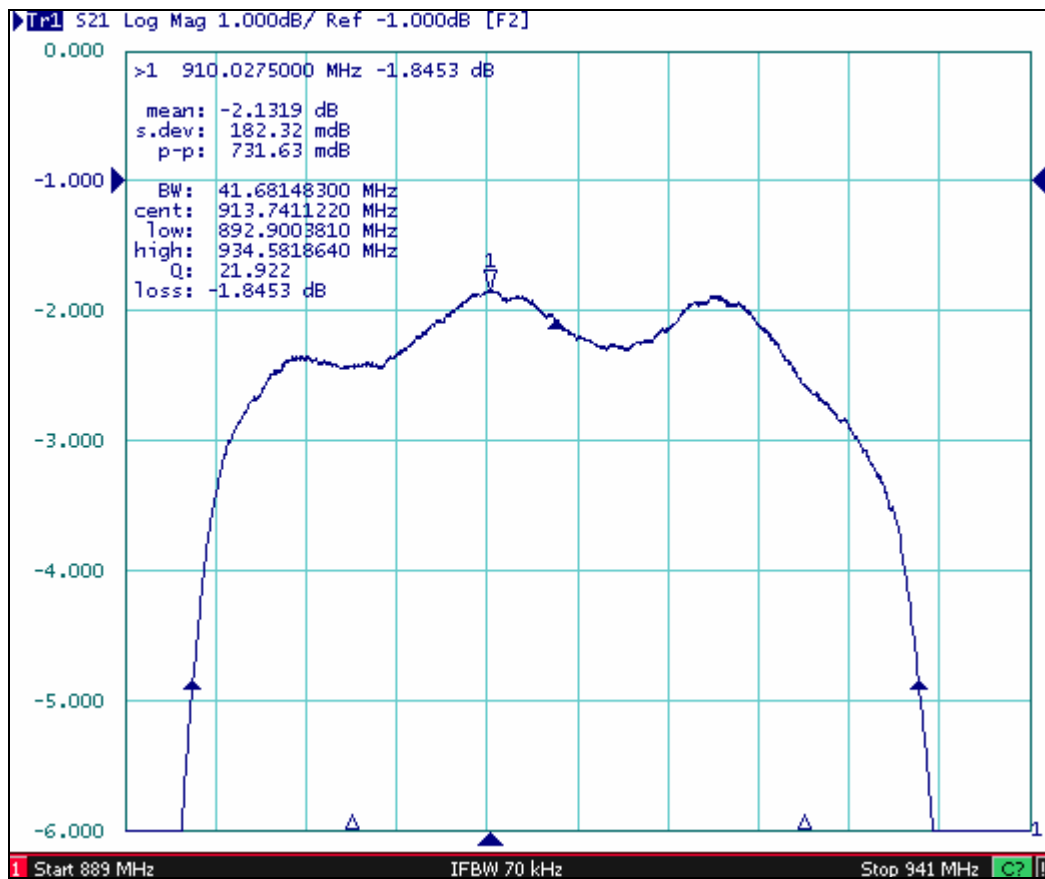
Frequency Response



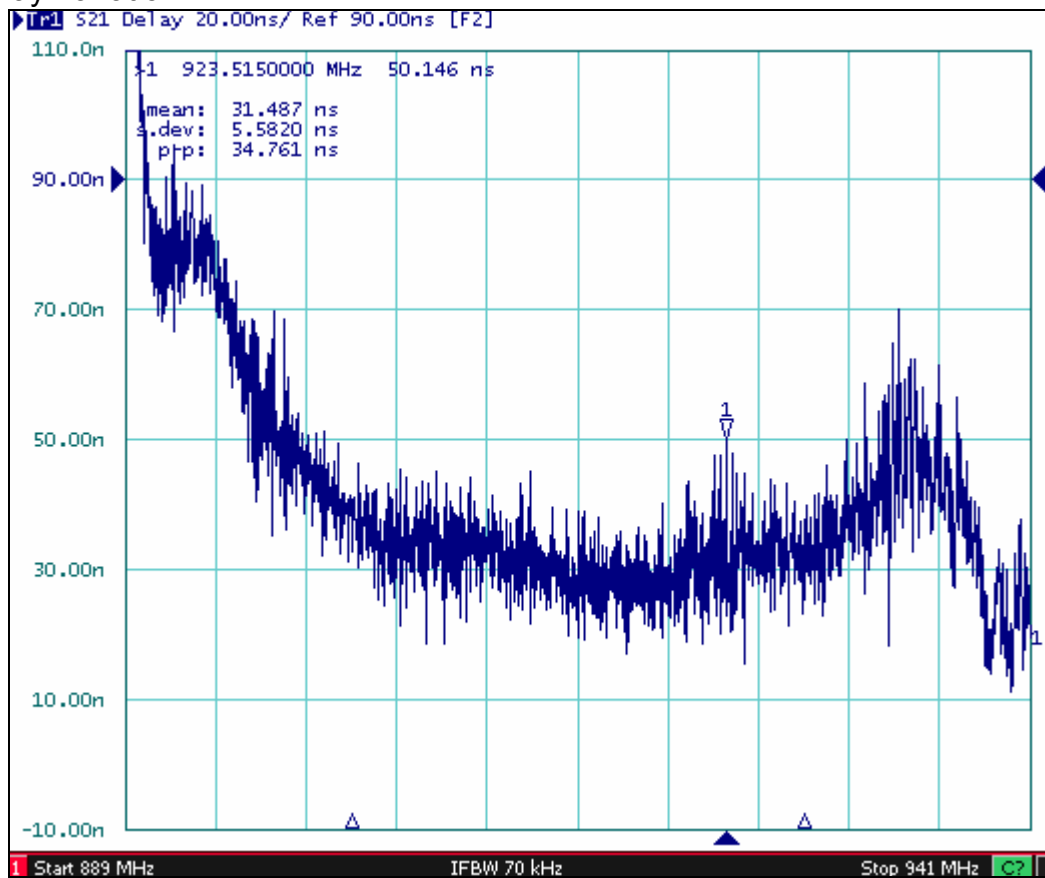
Wideband Response



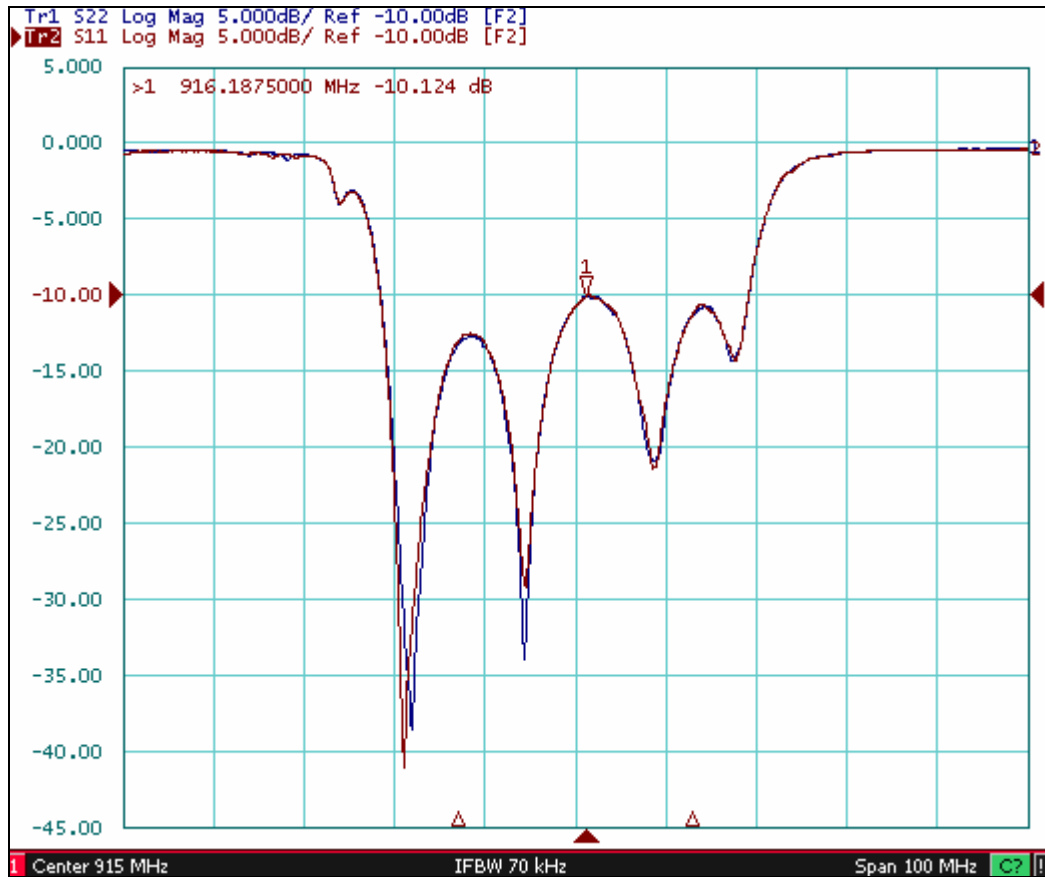
Passband Response



Group Delay Variation

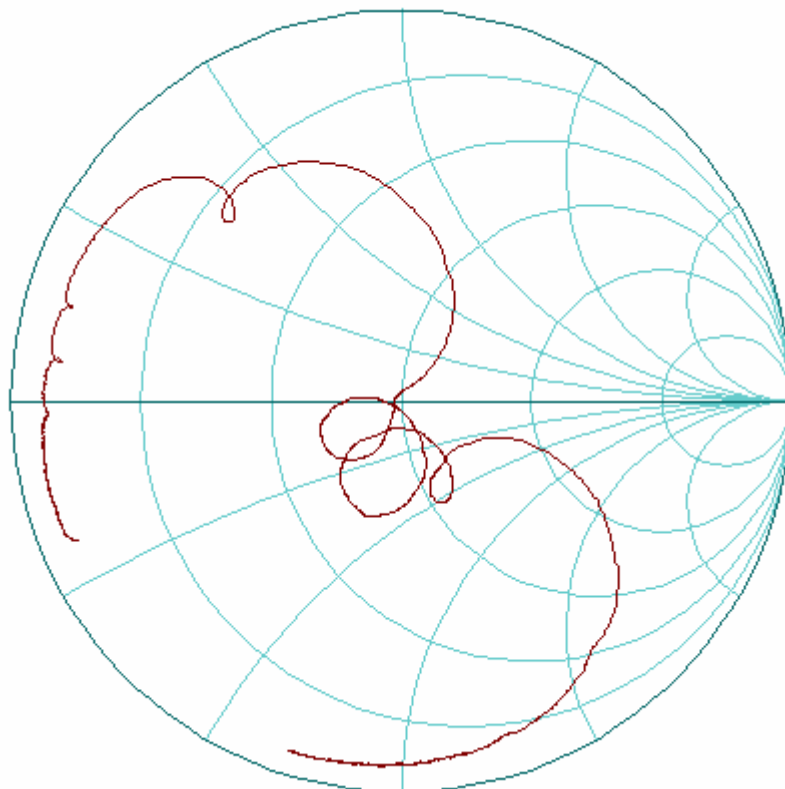


Return Loss



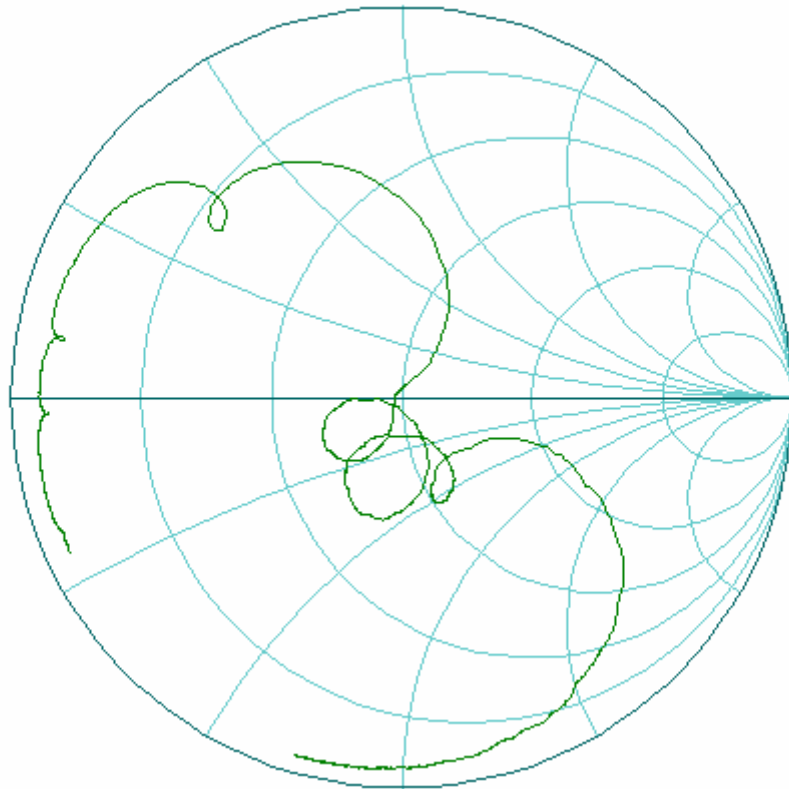
S11 Smith chart

Tr2 S11 Smith (R+jX) Scale 1.000U [F2]



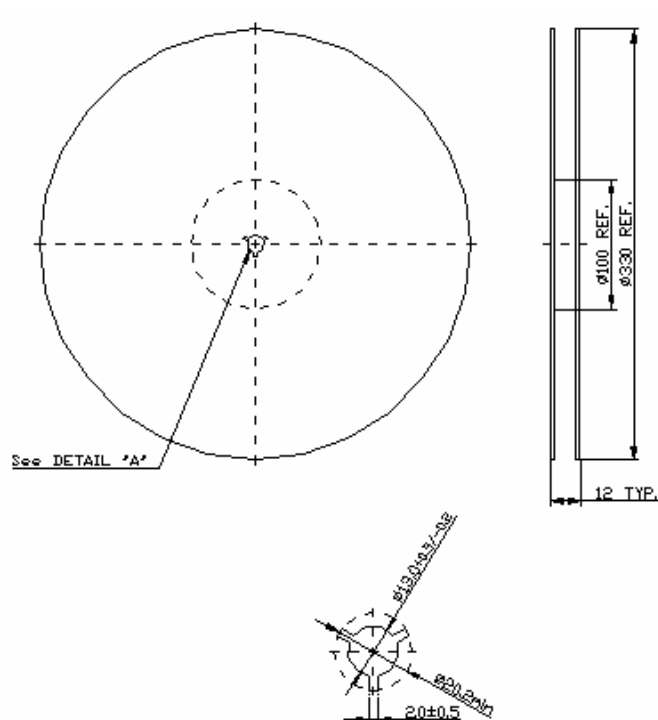
S22 Smith chart

► **T-3** S22 Smith (R+jX) Scale 1.000U [F2]



G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

