

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

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Product Specifications Approval Sheet

Product Description: SAW Filter 916.45 MHz SMD 3.0x3.0 mm

TST Part No.: TA0344A

Customer Part No.: _____

Customer signature required

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ David Chang 張閔智

Approved by: _____ Francis Chen 陳文輝

Date: _____ 2010/04/16

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 916.45 MHz

MODEL NO.: TA0344A

REV. NO.:2

A. MAXIMUM RATING:

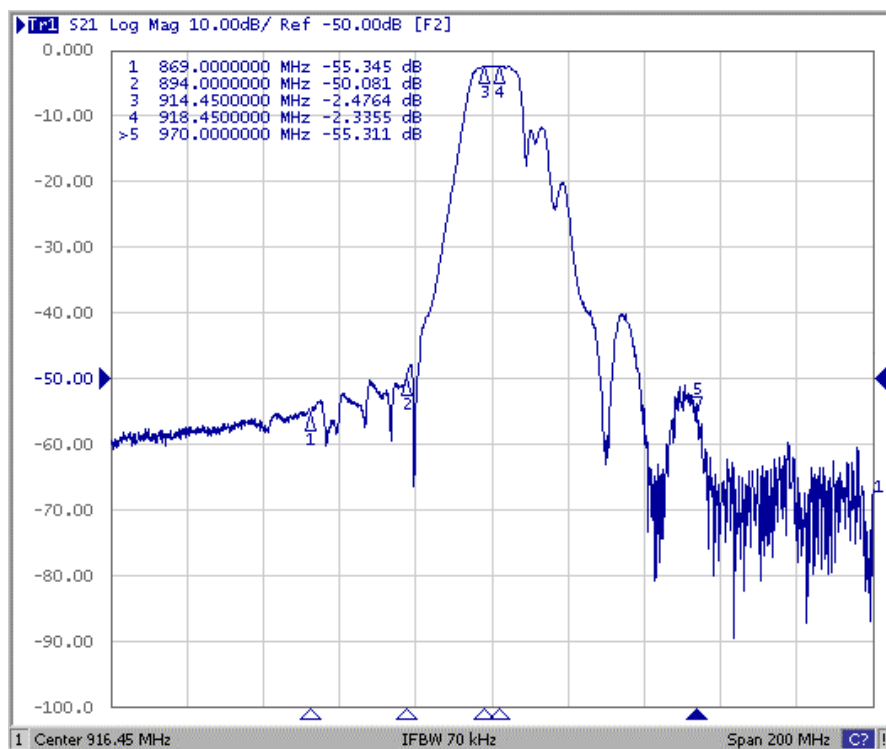
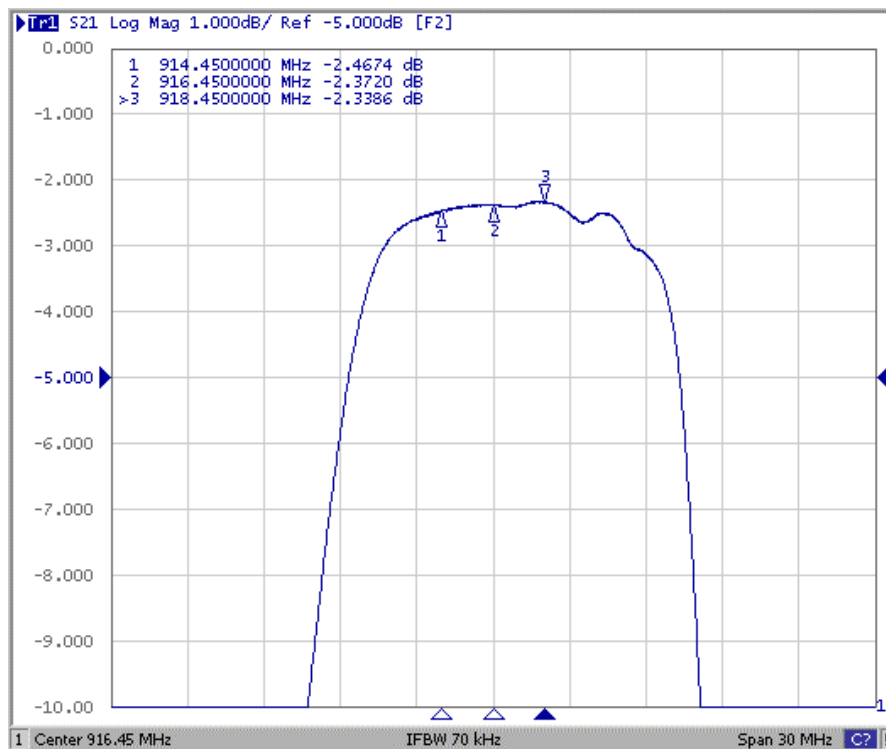
1. Input Power Level: 15 dB_m
2. DC voltage: 5 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item		Min.	Typ.	Max.
Center frequency	Fc MHz	-	916.45	-
Insertion loss	914.45 ~ 918.45 MHz IL (dB)	-	2.7	3.5
Amplitude ripple	914.45 ~ 918.45 MHz (dB)	-	0.3	1.0
VSWR	914.45 ~ 918.45 MHz	-	1.5	2.0
Absolute Attenuation				
D.C. ~ 600	MHz (dB)	50	57	-
600 ~ 840	MHz (dB)	40	51	-
869 ~ 894	MHz (dB)	35	46	-
970 ~ 1500	MHz (dB)	40	47	-
1500 ~ 3000	MHz (dB)	25	32	-
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-

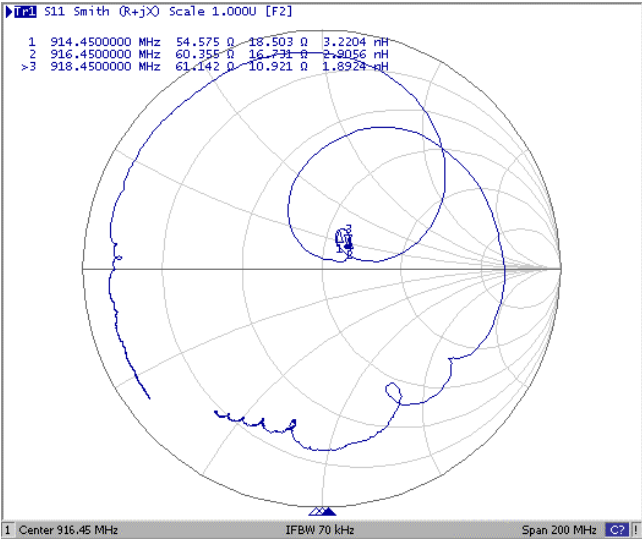
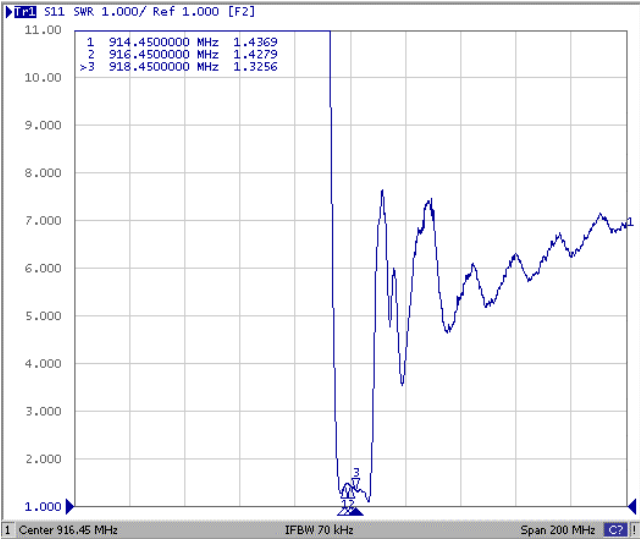
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

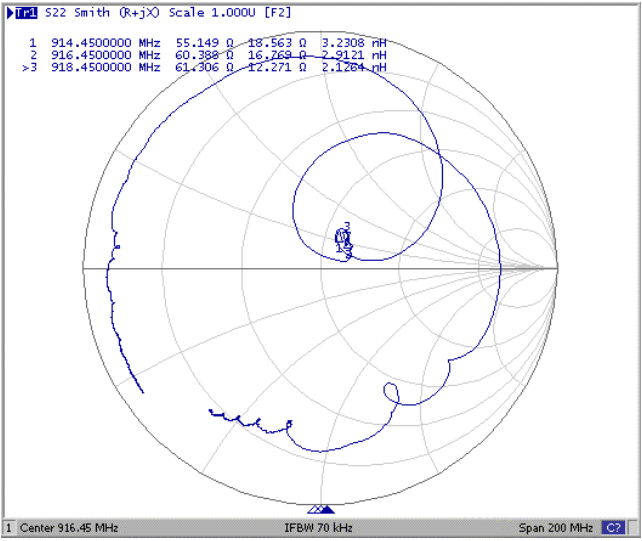
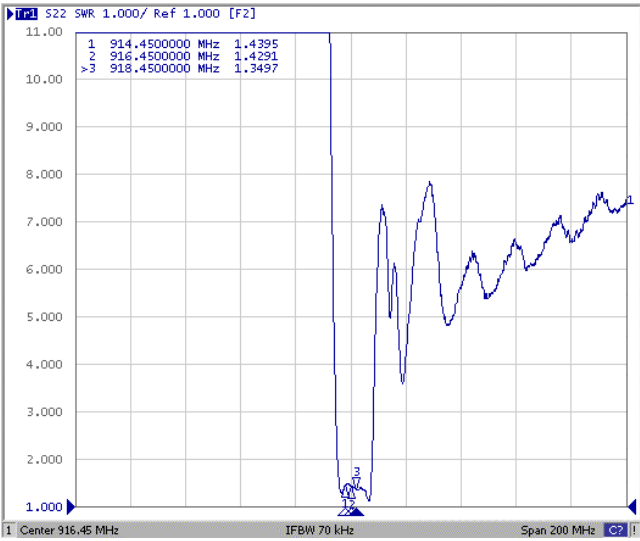


D.Reflections Functions :

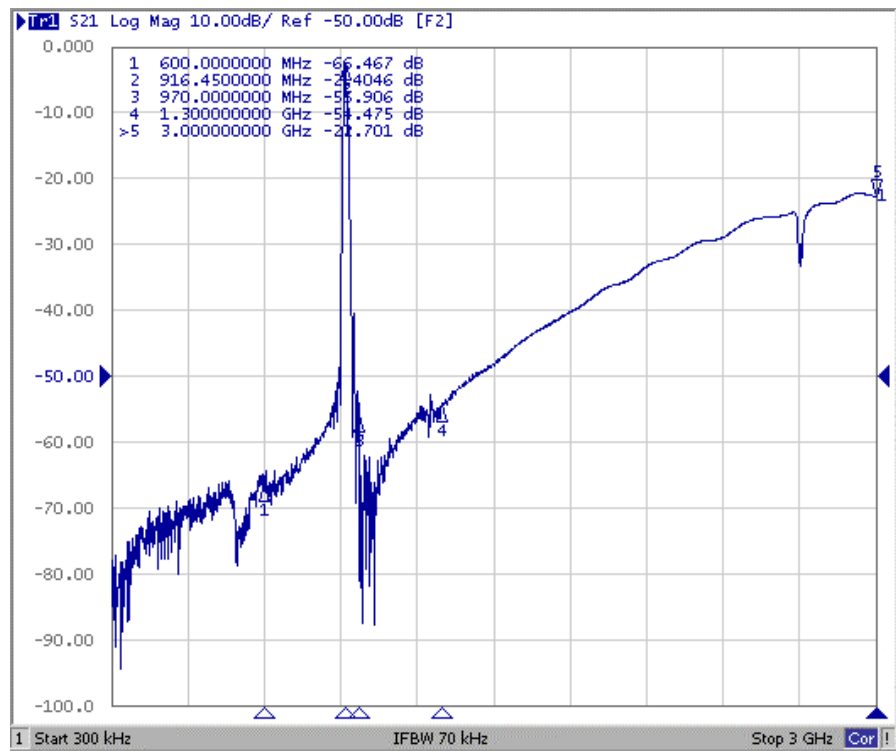
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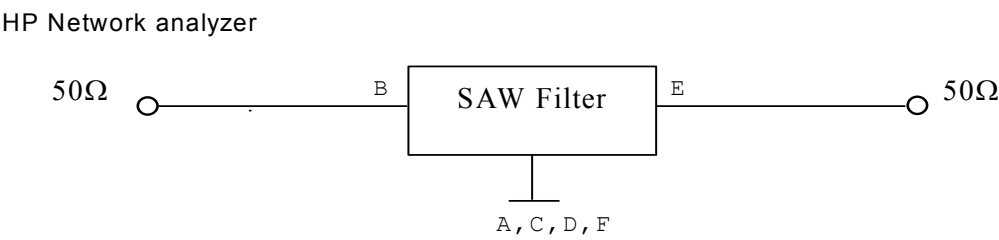
S22:



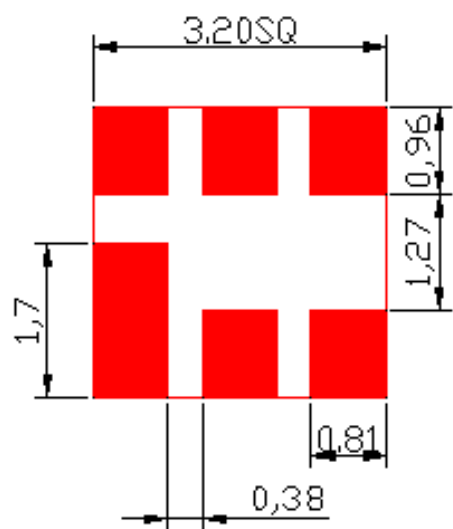
Wideband



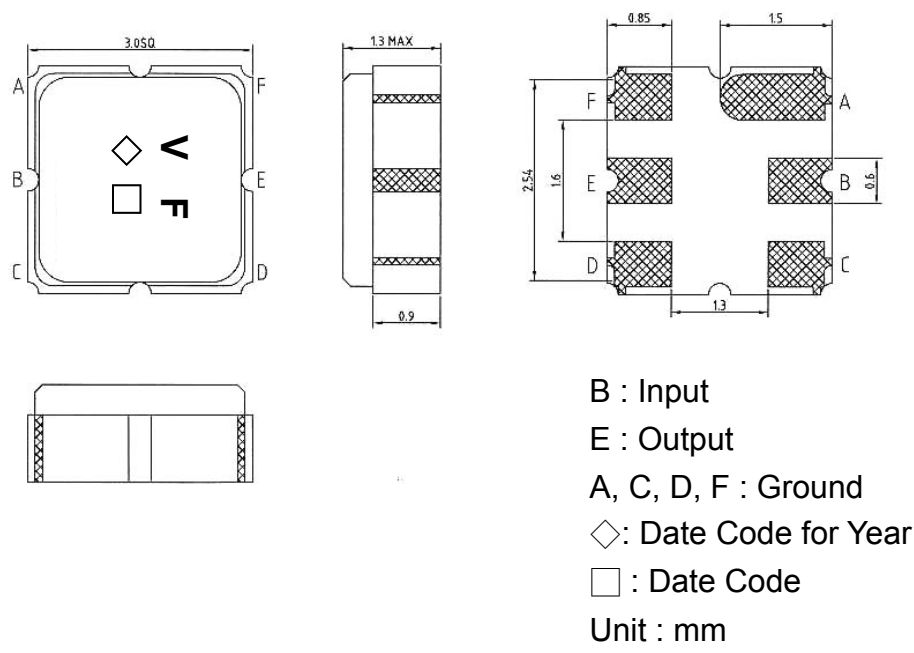
E. MEASUREMENT CIRCUIT:



F. PCB Footprint:



G.OUTLINE DRAWING:



1. REEL DIMENSION