



TAI-SAW TECHNOLOGY CO., LTD.

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

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 915MHz SMD 2.5x2.0 mm

TST Parts No.:TA0299A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2003/11/05



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SAW Filter 915 MHz

MODEL NO.: TA0299A

REV. No.: 1

A. MAXIMUM RATING:

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

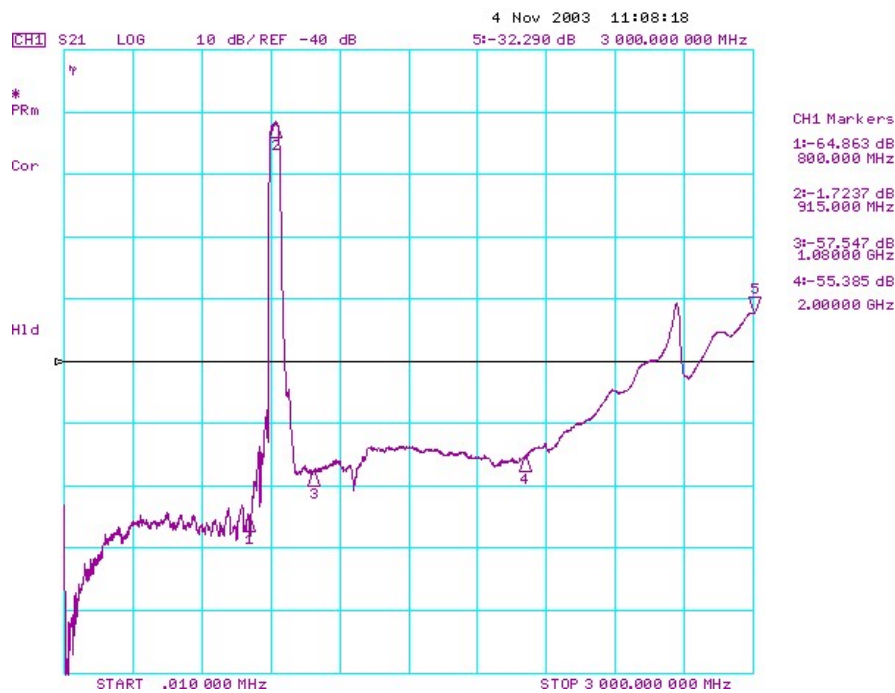
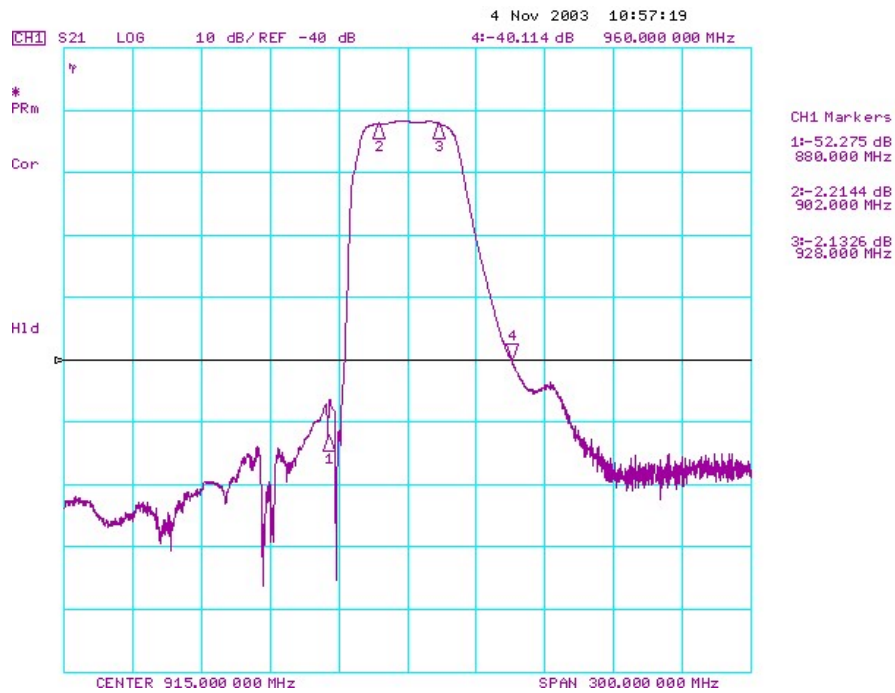
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item				Min.	Typ.	Max.
Center frequency		F_c	MHz	-	915	-
Insertion loss	902 ~ 928 MHz	IL	(dB)	-	2.2	3.0
Amplitude ripple	902 ~ 928 MHz		(dB)	-	0.5	1.5
VSWR	902 ~ 928 MHz			-	1.6	2.2
Attenuation (Reference level from 0 dB)						
	D.C. ~ 800 MHz		(dB)	45	63	-
	800 ~ 870 MHz		(dB)	40	53	-
	960 ~ 1080 MHz		(dB)	30	40	-
	1080 ~ 2000 MHz		(dB)	35	53	-
	2000 ~ 3000 MHz		(dB)	22	28	-
Source impedance		Z_s	(Ω)	-	50	-
Load impedance		Z_L	(Ω)	-	50	-

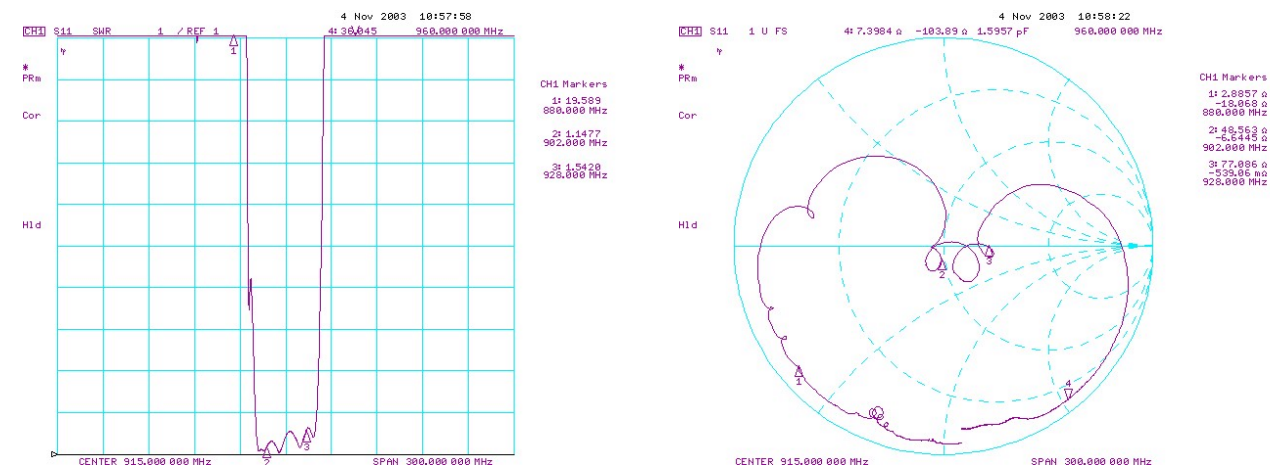
Note1. No matching network required for operation at 50 Ω

C. Frequency Characteristics :

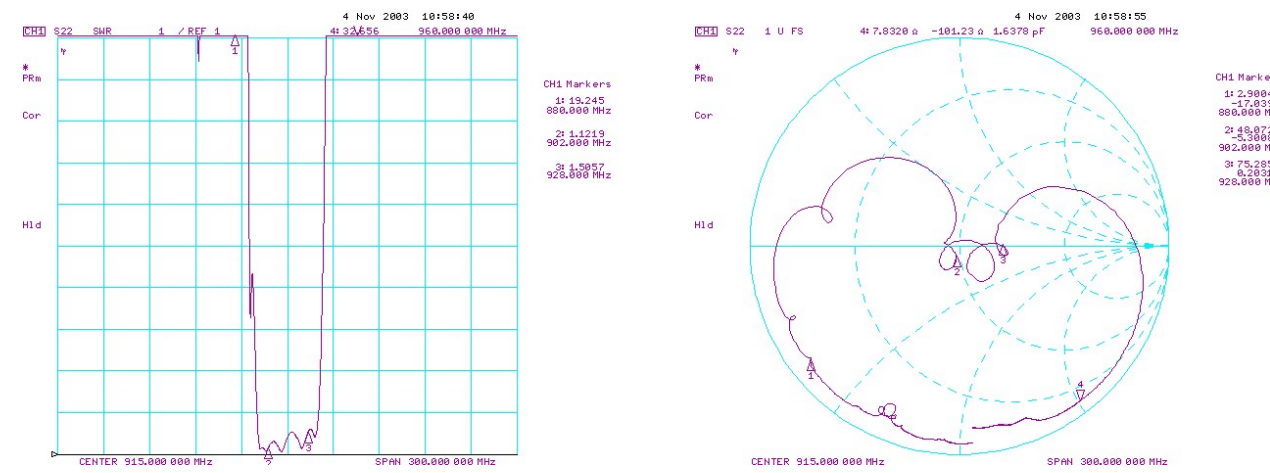


D.Reflections Functions :

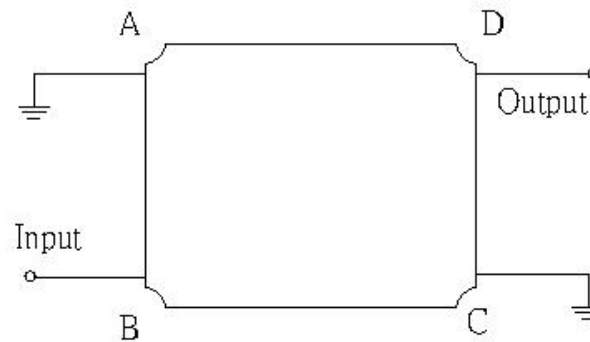
S11:



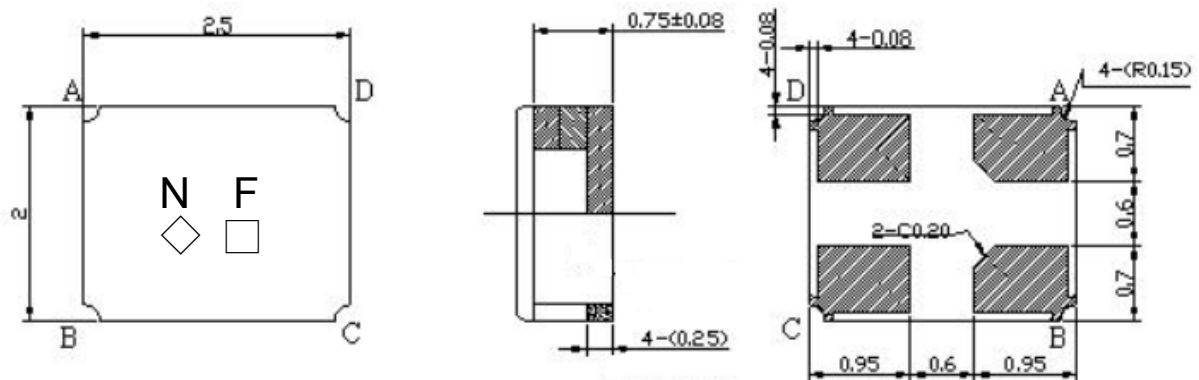
S22:



E. MEASUREMENT CIRCUIT:



F.OUTLINE DRAWING:



B : Input

D : Output

A, C : Ground

◇ : Date Code for Year

□ : Date Code

Unit : mm

1. REEL DIMENSION

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