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

Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 881.5MHz SMD 2.5×2.0 mm

TST Parts No.:TA0321A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Elvis Chiu

Approval by: Francis Chen

Date: 2003/12/30

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SAW Filter 881.5 MHz

MODEL NO.: TA0321A REV. No.: 2

A. MAXIMUM RATING:

1.Operating Temperature: -30°C ~ +85°C
2.Storage Temperature: -40°C ~ +85°C

RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Singled to Balanced operation

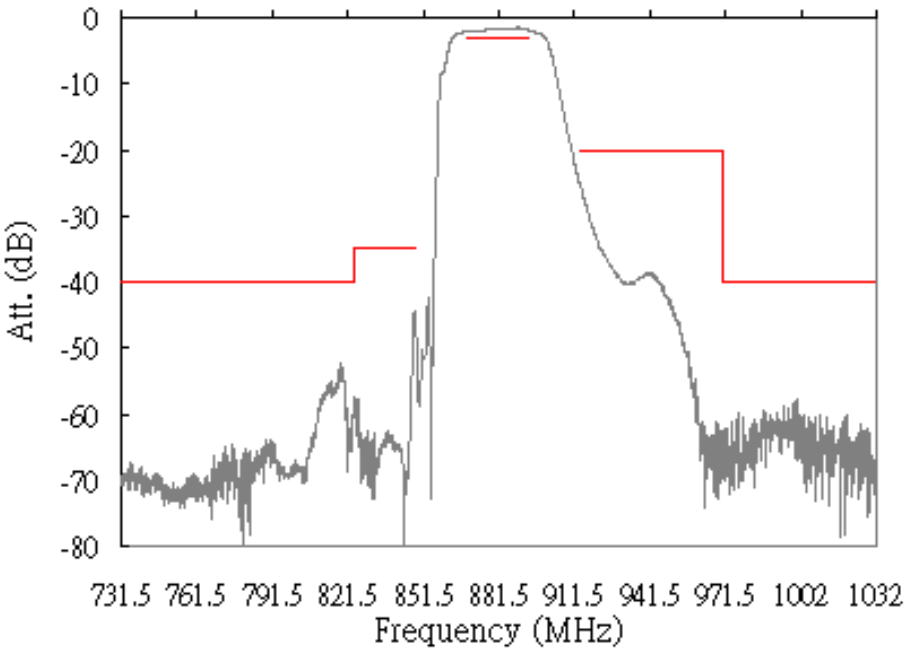
Terminating source impedance : Zs = 50 Ω

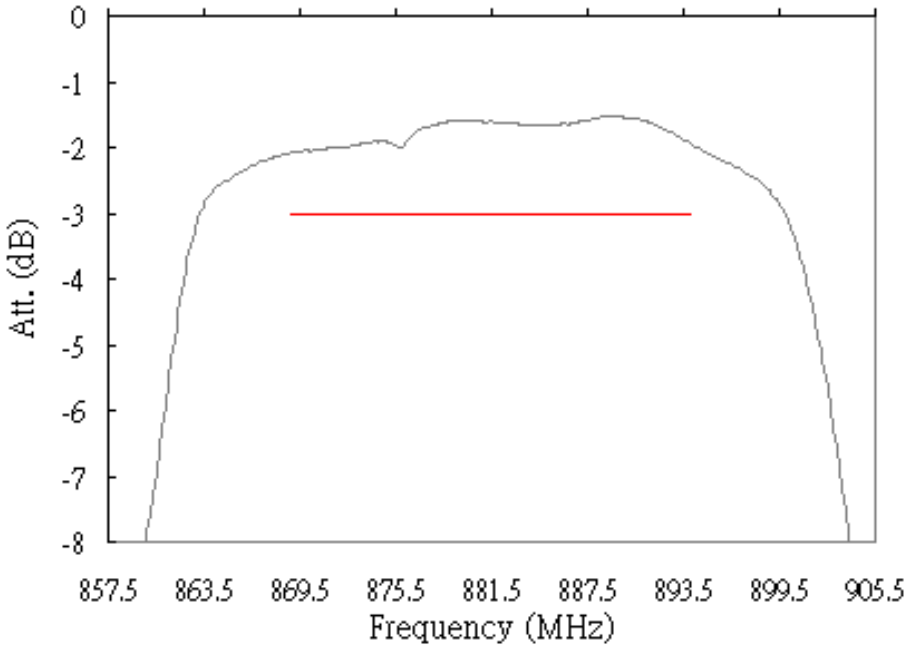
Terminating load impedance : Z_L = 200 Ω// 100 nH

Item		Value			Unit
		Min.	Typ.	Max.	
Center frequency	F_C	-	881.5	-	MHz
Insertion loss(869~894 MHz)	I.L.	-	2.0	3.0	dB
VSWR (869~894 MHz)		-	1.5	2.1	
Attenuation:(Reference level from 0 dB)					
100 ~ 824 MHz		40	53	-	dB
824 ~ 849 MHz		35	44	-	dB
914 ~ 970 MHz		20	26	-	dB
970 ~ 3000 MHz		40	55	-	dB
3000 ~ 6000 MHz		35	51	-	dB
Symmetry in band (referenced to the matched operating condition)					
Output amplitude balance ($\|S_{31}/S_{21}\|$) 869~894 MHz		-1.0	±0.3	1.0	dB
Output phase balance ($\Phi(S_{31})-\Phi(S_{21})+180°$) 869~894 MHz		-10	±0.9	10	degree

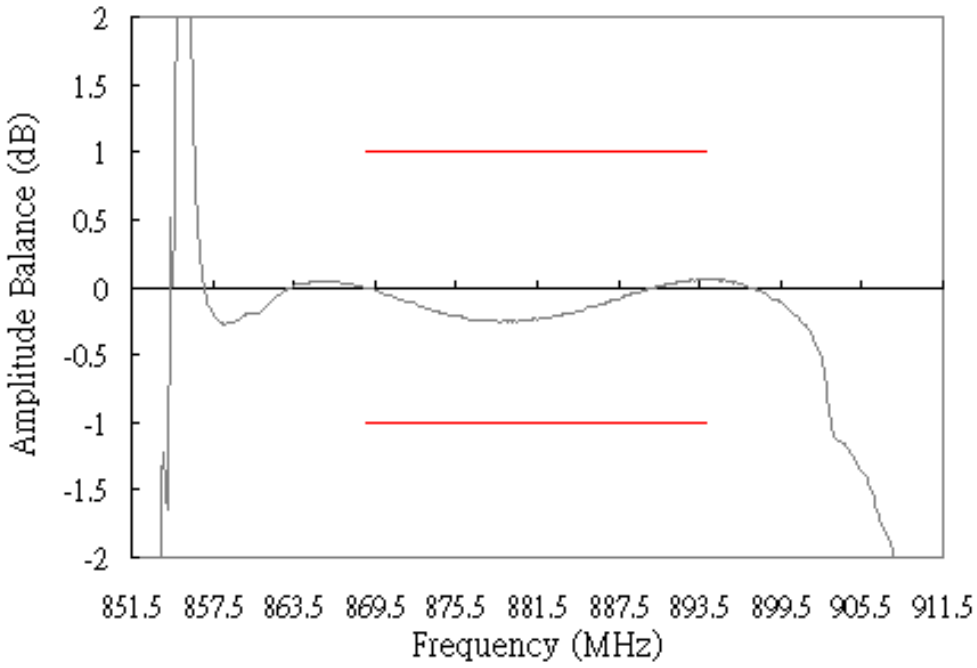
C. Frequency Characteristics :

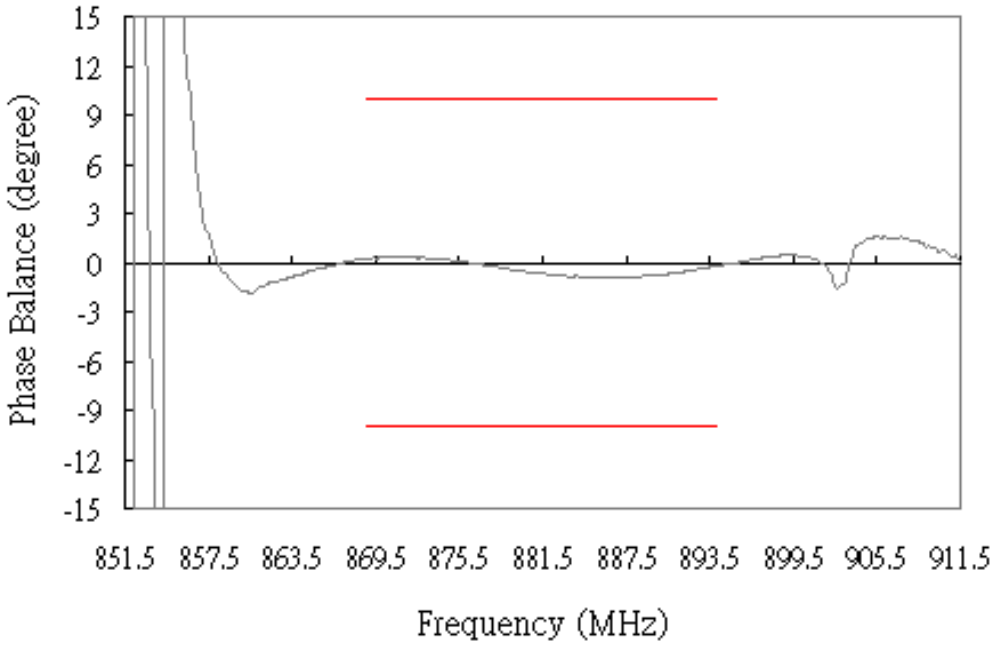
Transfer Function



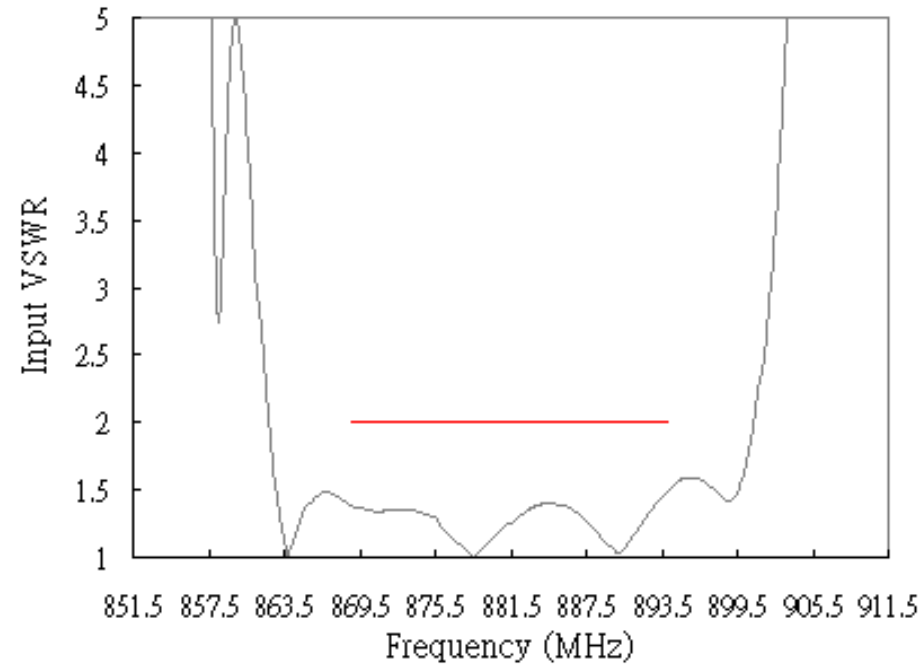


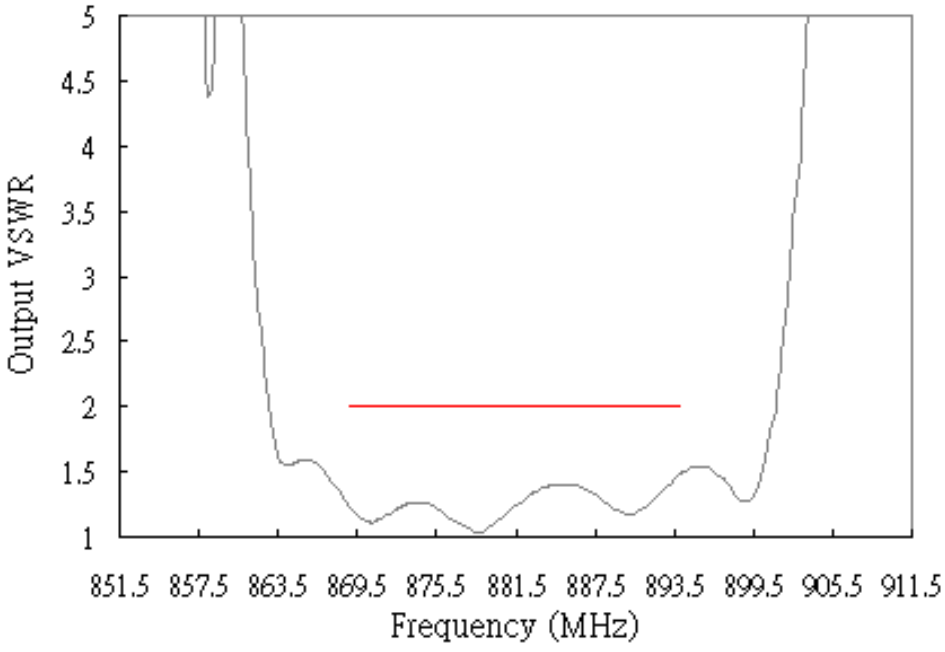
Amplitude/Phase Balance



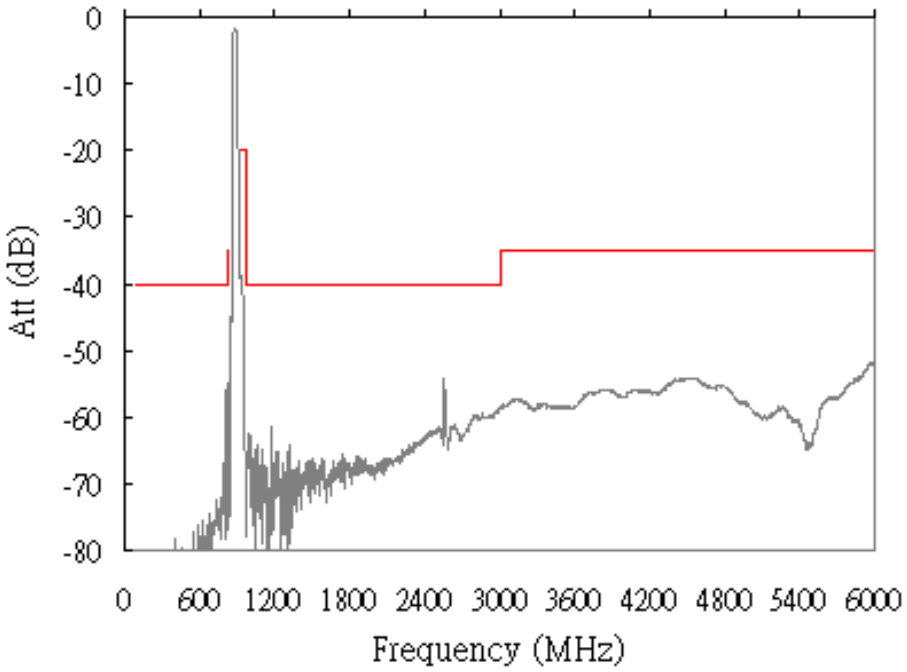


Reflection Function





Wideband



D. ELECTRICAL CHARACTERISTICS:

Singled to Balanced operation

Terminating source impedance : Zs = 50 Ω

Terminating load impedance : Z_L = 100 Ω add matching circuit

Item	Value			Unit
	Min.	Typ.	Max.	
Center frequency F_C	-	881.5	-	MHz
Insertion loss(869~894 MHz) I.L.	-	2.0	3.0	dB
VSWR (869~894 MHz)	-	1.5	2.1	
Attenuation:(Reference level from 0 dB)				
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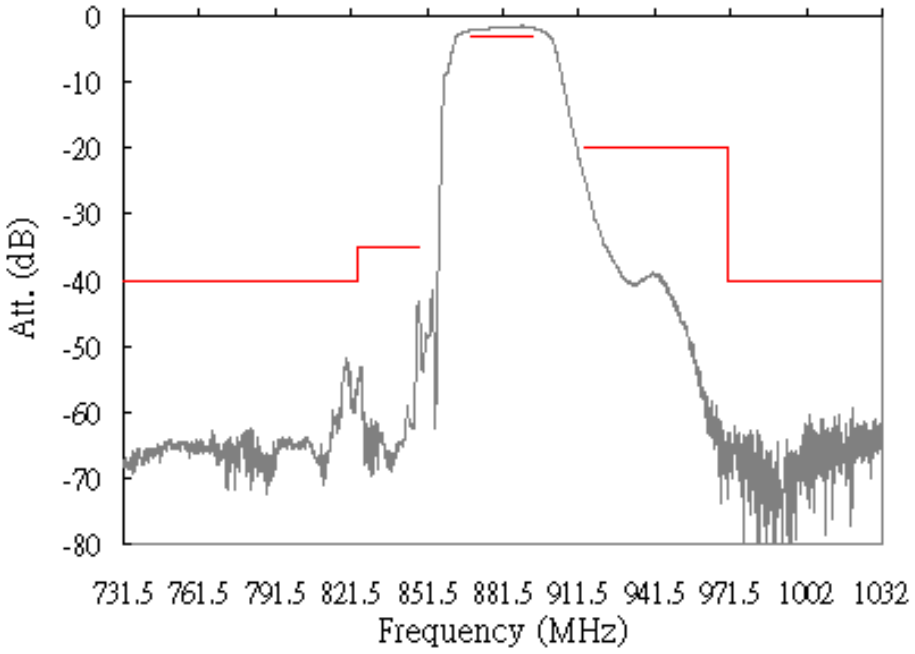
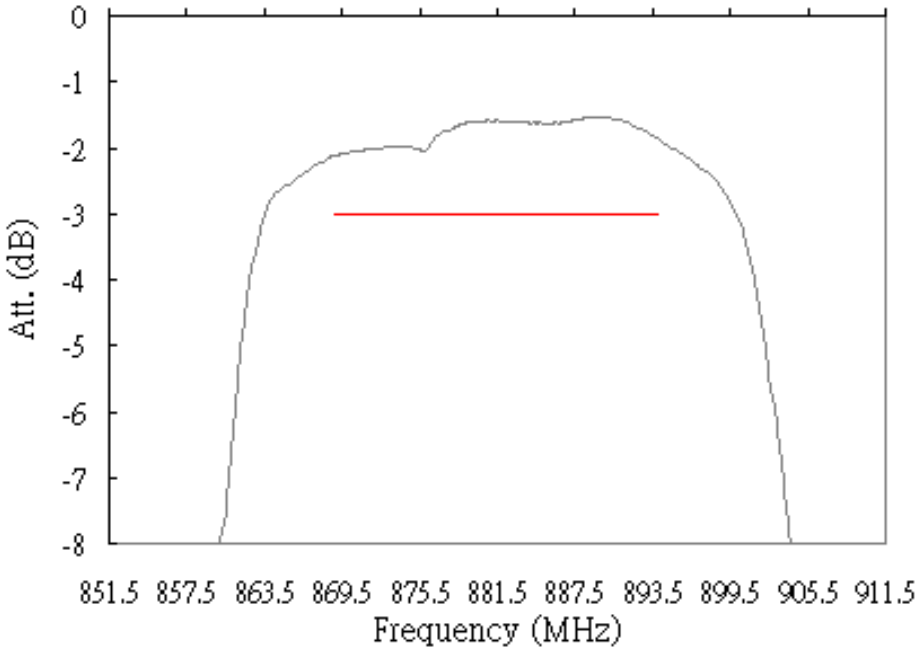
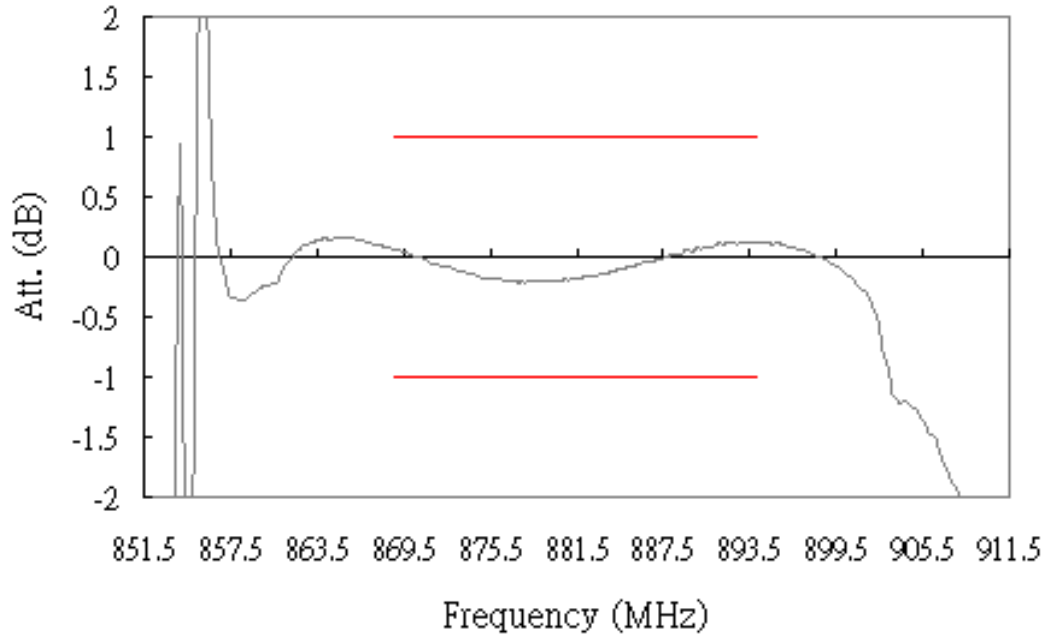
C. Frequency Characteristics :

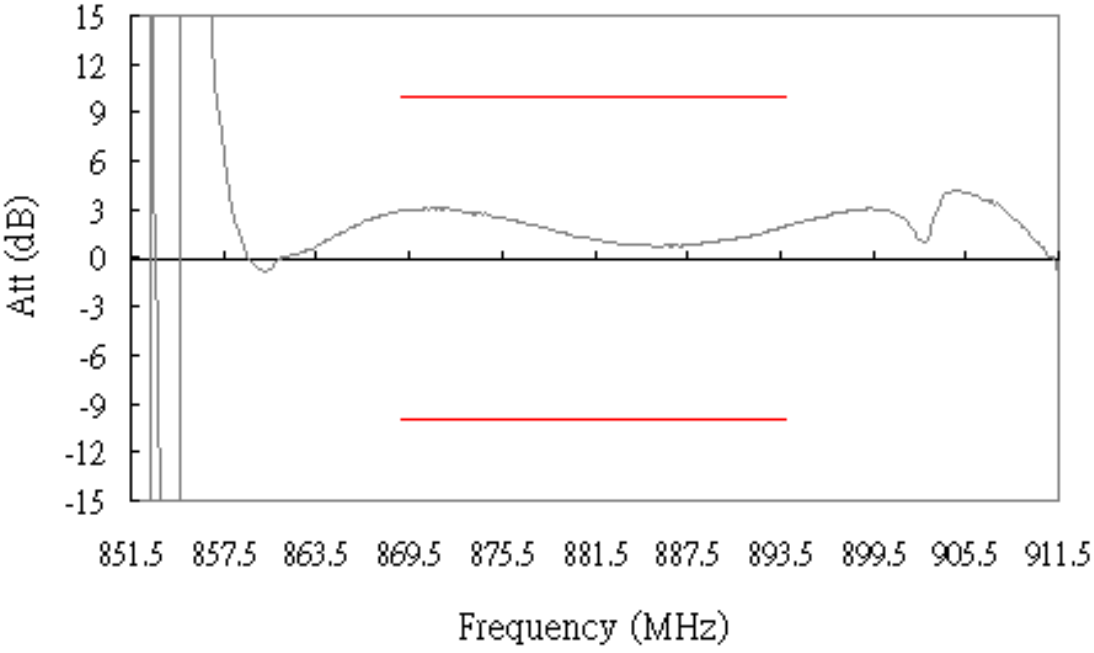
Transfer Function



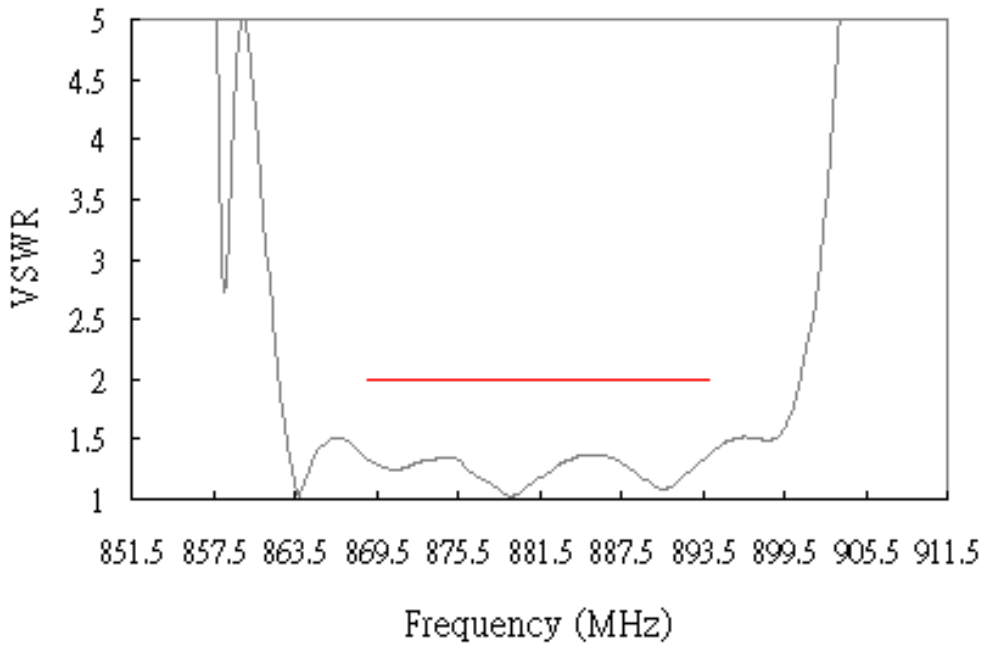


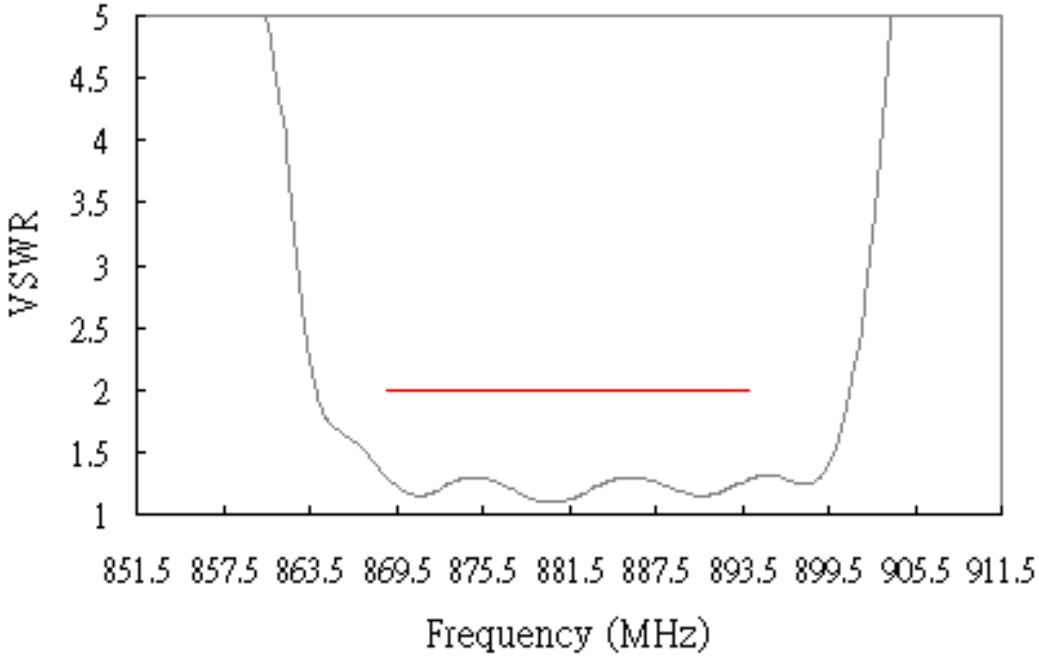
Amplitude/Phase Balance



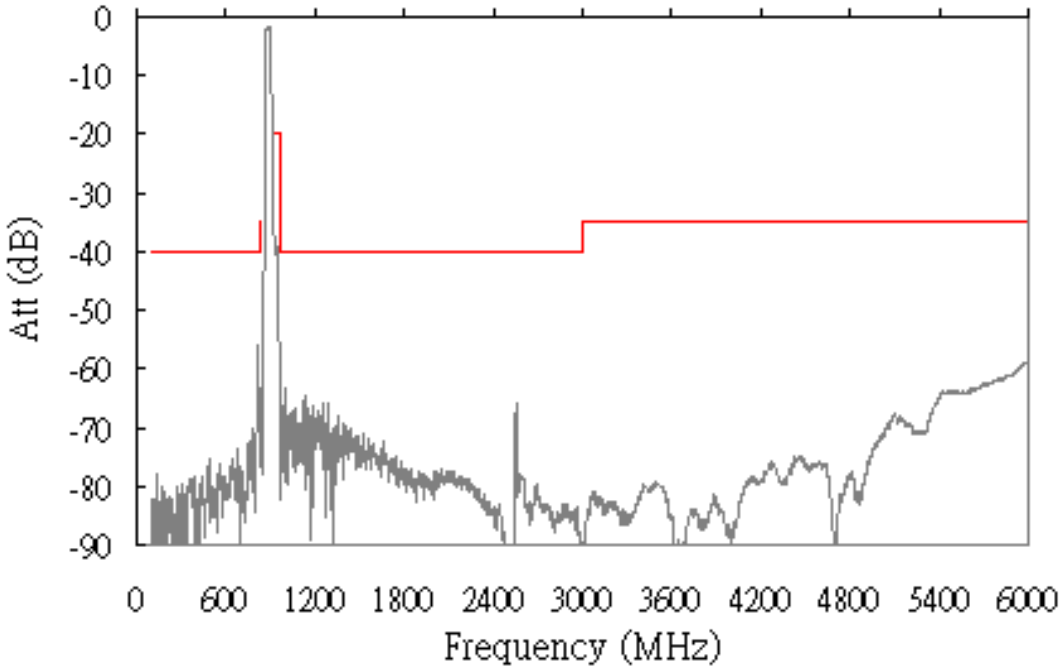


Reflection Function

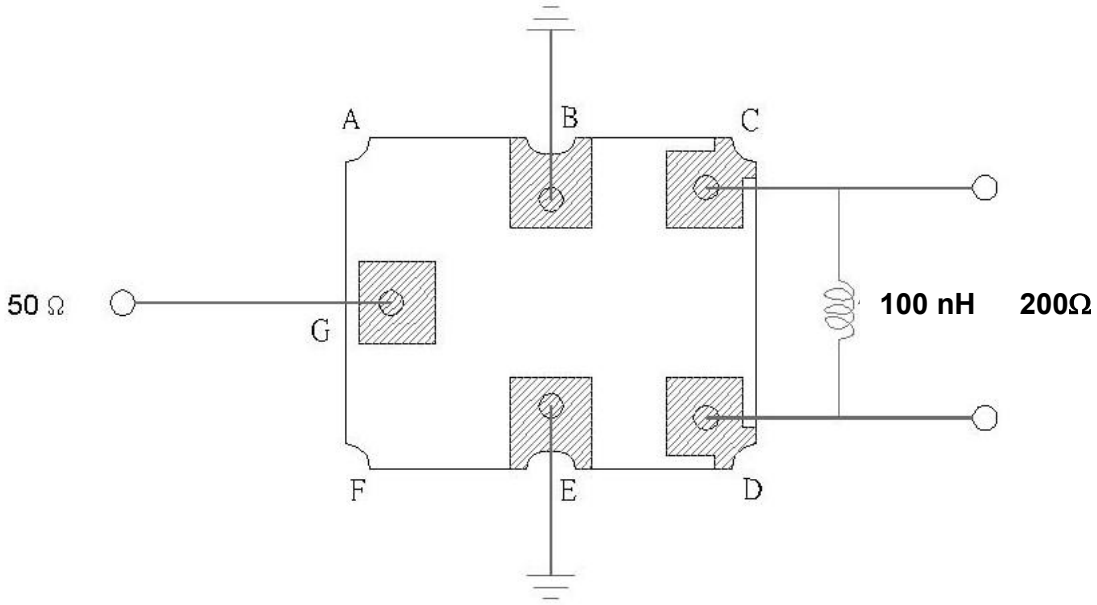


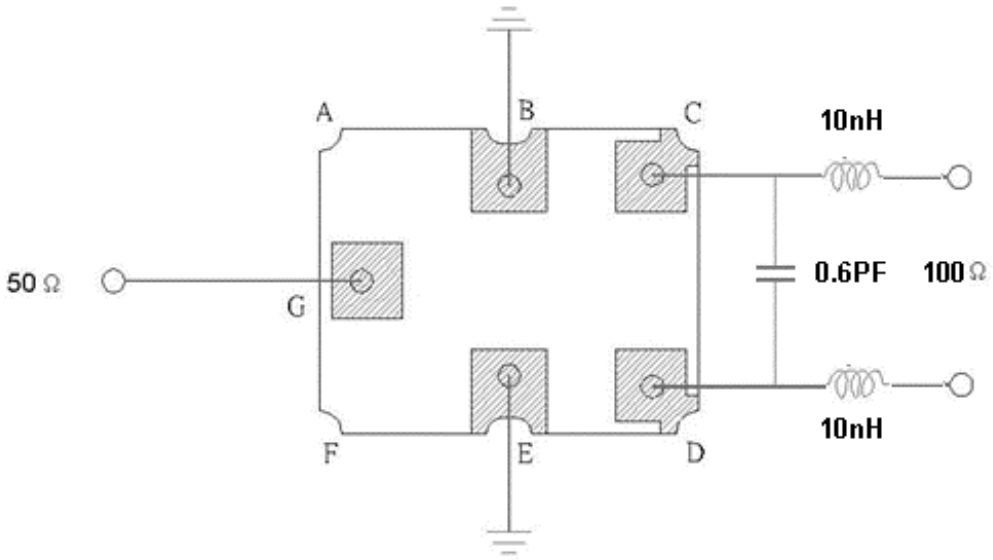


Wideband

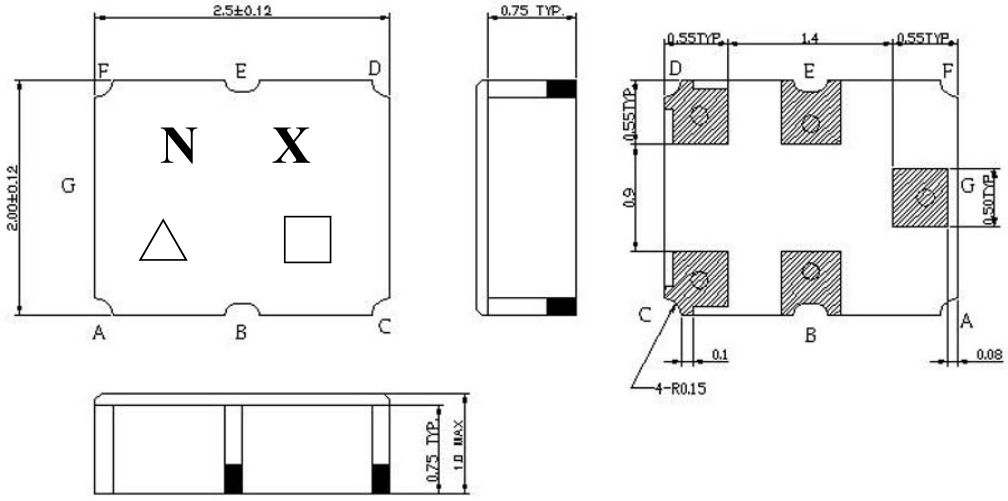


E. MEASUREMENT CIRCUIT:





F.OUTLINE DRAWING:



Pin configuration

G : Unbalance input

C,D : Balance output

B,E : Ground

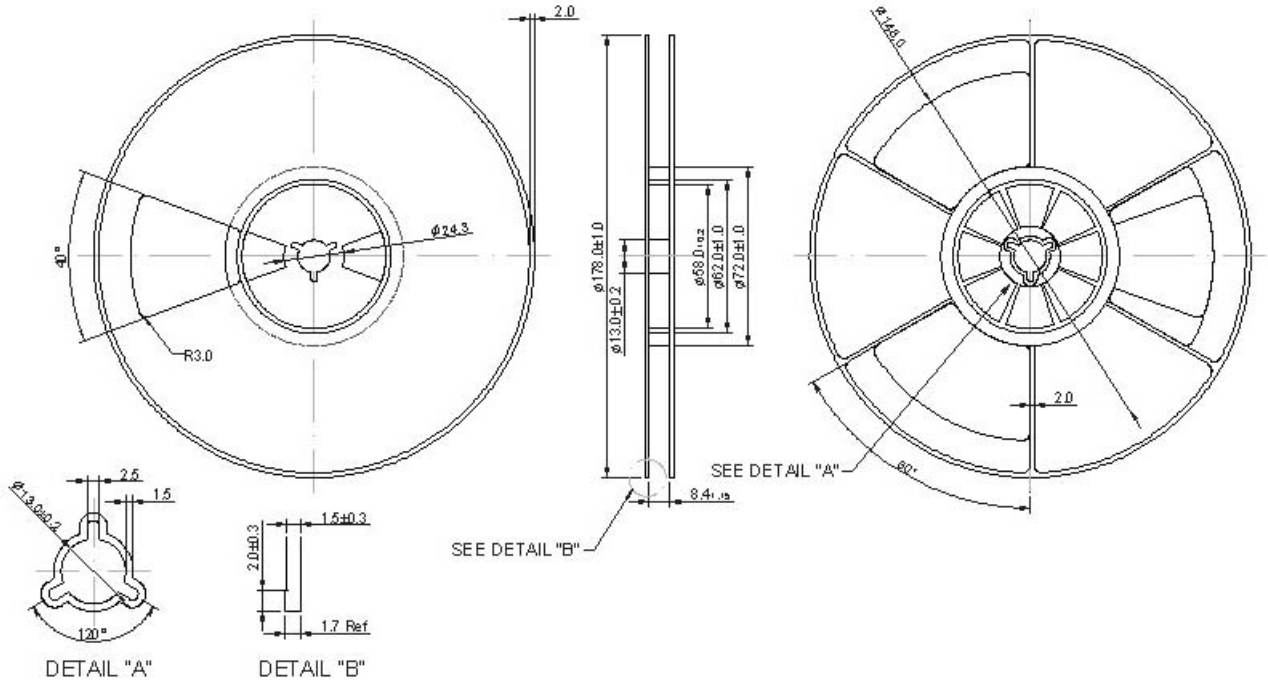
△ : Year code

□ : Date code

Unit : mm

G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION