



TAI-SAW TECHNOLOGY CO., LTD.

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Approval Sheet For Product Specification

Issued Date:

Product Name: SAW Filter 947.5 MHz SMD3.0x3.0mm for GSM

TST Parts No.: TA947GG

Customer Parts No.: _____

Company: _____

Division: _____

Approved by : _____

Date: _____

Checked by: _____ C.P. Yang

Approval by: _____ Vincent Lee

Date: _____ Feb.,03,2001



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SAW Filter 947.5 MHz For GSM

MODEL NO.: TA947GG

REV. NO.: 5

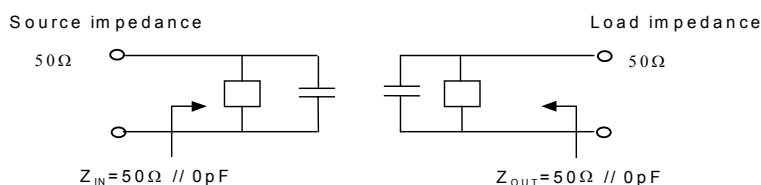
A. MAXIMUM RATING:

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

B. ELECTRICAL CHARACTERISTICS:

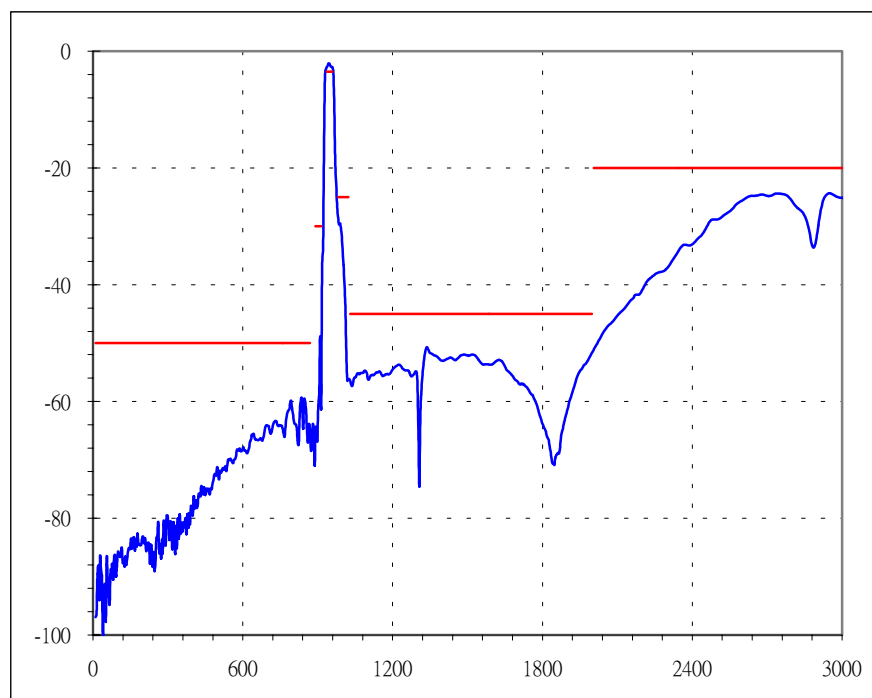
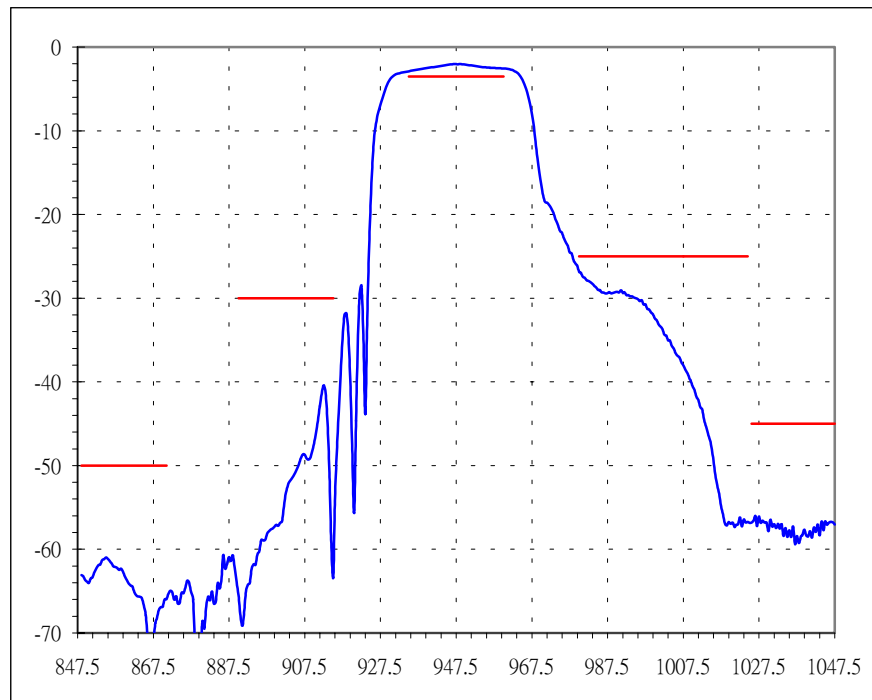
Characteristics			Value			Note
			Min.	Typ.	Max.	
Center frequency	F_c	MHz	-	947.5	-	-
Insertion loss(935~960 MHz) I.L.		dB	-	2.7	3.5	-
V.S.W.R(935~960 MHz)		dB	-	1.6	2.3	-
Ripple(935~960 MHz)		dB	-	0.6	1.4	-
Attenuation:(Reference level from 0 dB)						
1) D.C. ~ 871 MHz		dB	50	62.1	-	-
2) 890 ~ 915 MHz		dB	30	43.9	-	-
3) 980 ~ 1025 MHz		dB	25	28.6	-	-
4) 1025 ~ 2000 MHz		dB	45	54.1	-	-
5) 2000 ~ 3000 MHz		dB	20	26.8	-	-
Impedance at F_c ; Input	$Z_{IN}=R_{IN}/C_{IN}$		50Ω // 0 PF			1
Output	$Z_{OUT}=R_{OUT}/C_{OUT}$		50Ω // 0 PF			1

Note1

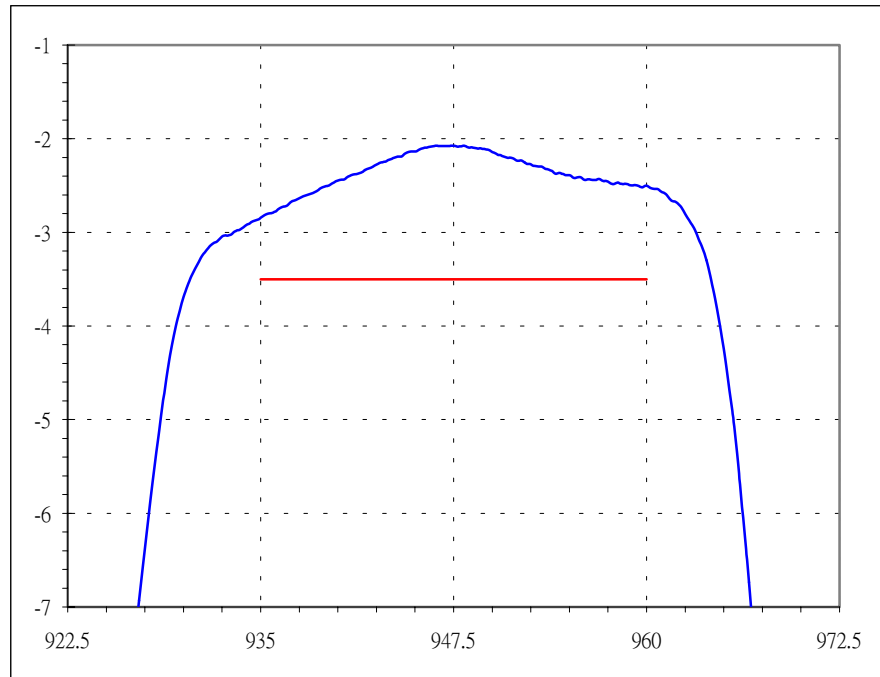


C. FREQUENCY CHARACTERISTICS:

1. wideband response:

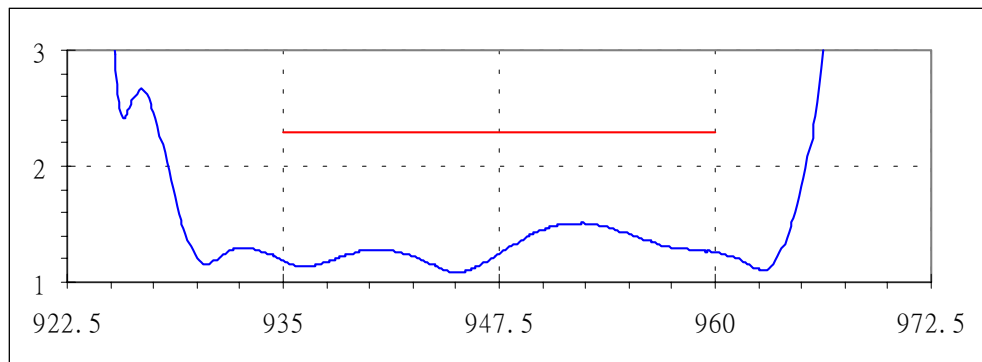


passband response:

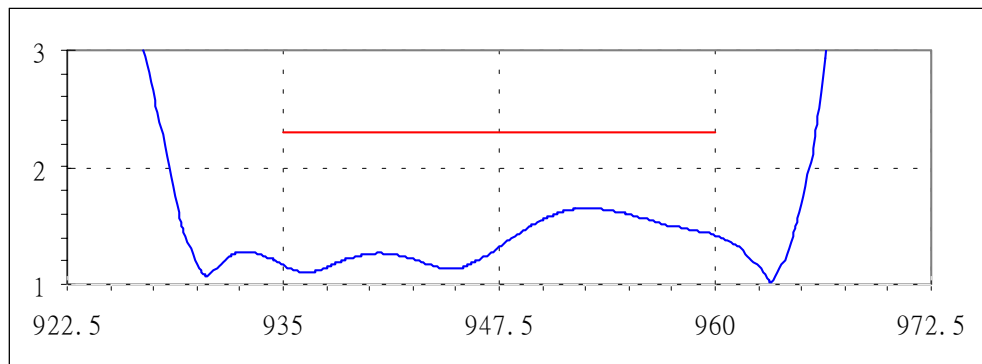


2. VSRW:

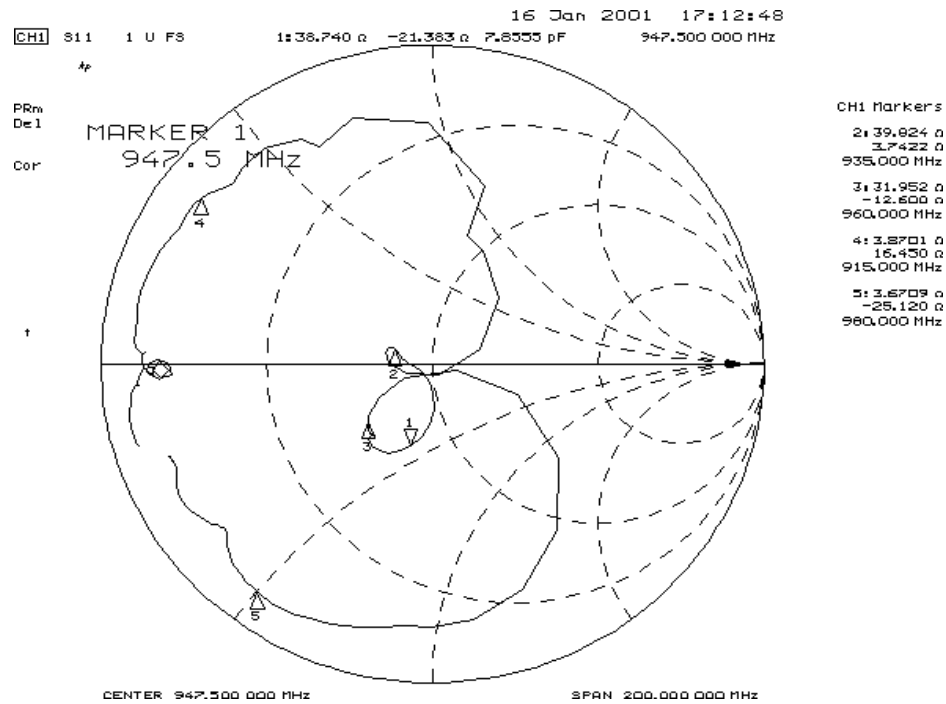
S11



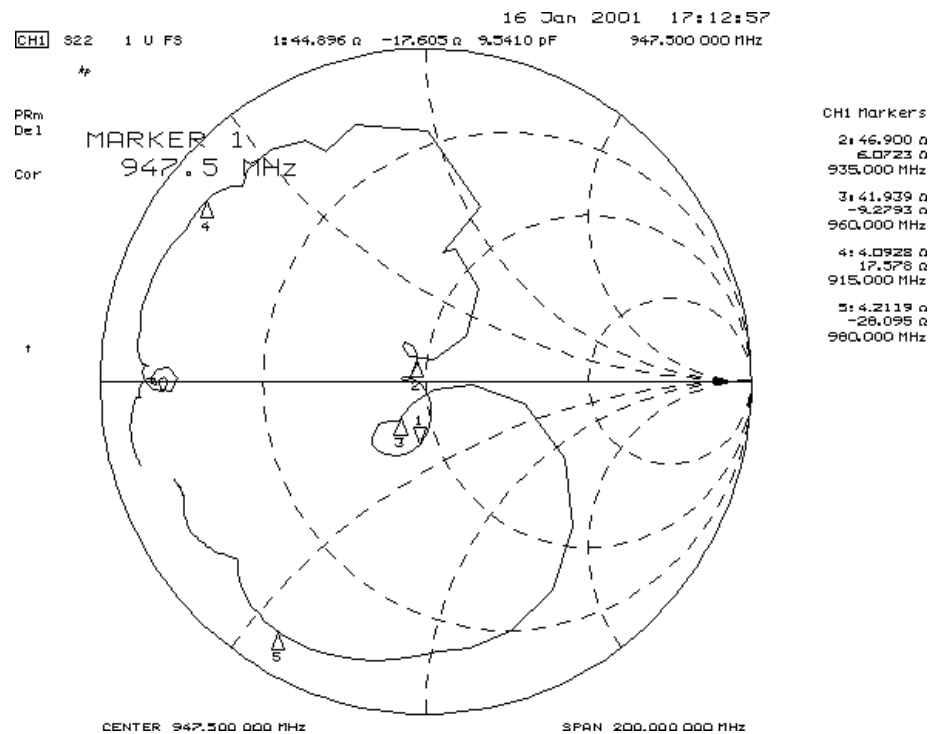
S22



3. Smith chart of S11

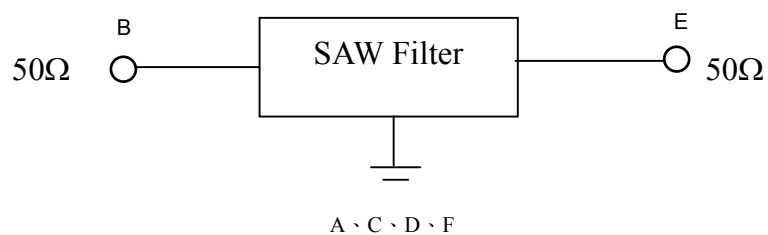


4. Smith chart of S22

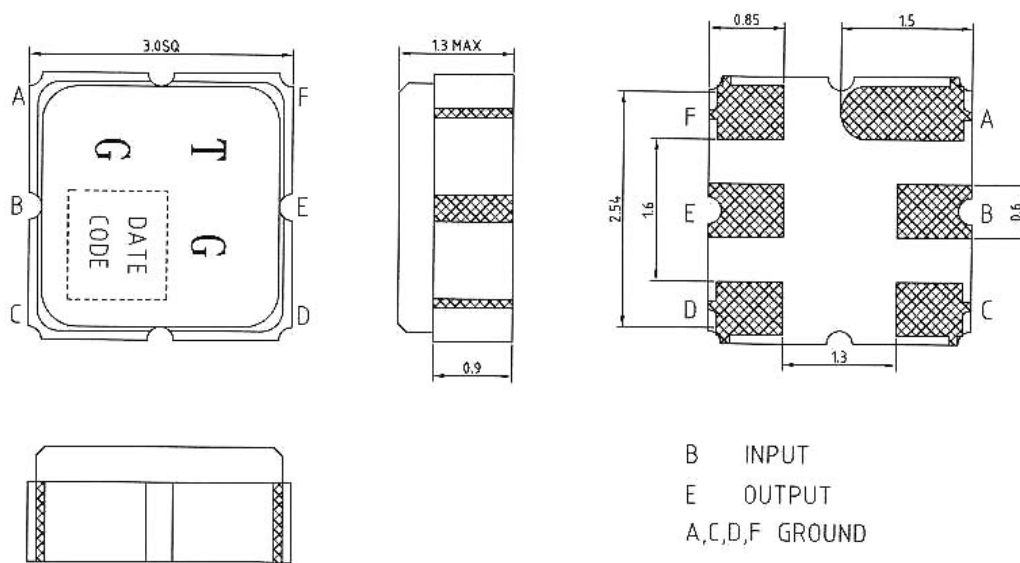


D. MEASUREMENT CIRCUIT:

Network analyzer

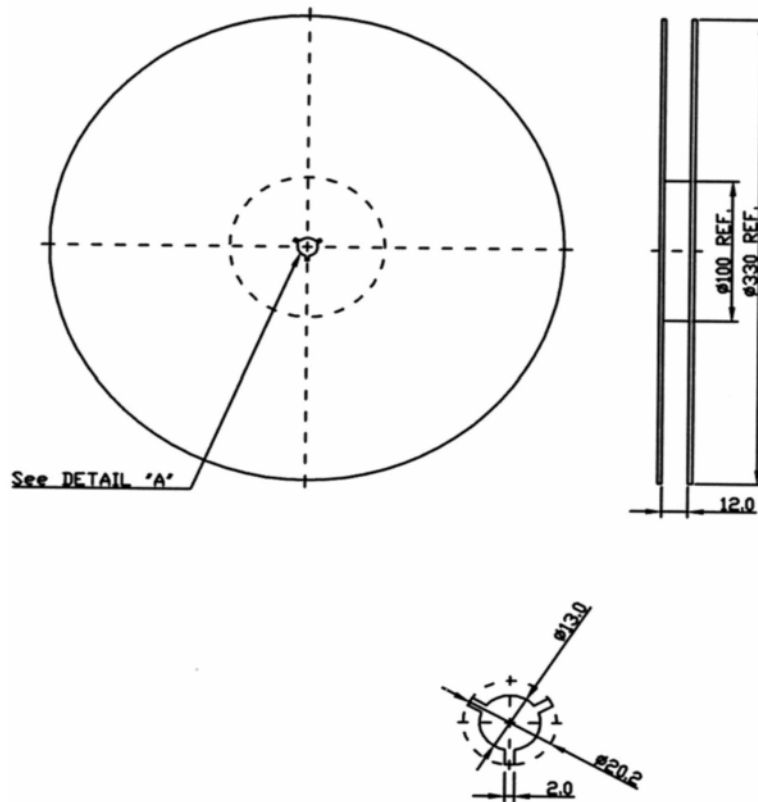


E. OUTLINE DRAWING:



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

