



TAI-SAW TECHNOLOGY CO., LTD.

No. 3, Industrial 2nd Rd., Ping-Chen Industrial District,
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Approval Sheet For Product Specification

Issued Date: May.30.2001

Product Name: SAW Filter 942.5 MHz SMD 3X3 mm

TST Parts No.:TA942FG

Customer Parts No.: _____

Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: _____ Bob Chau

Approval by: _____ Francis Chen

Date: _____ May.30.2001



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SAW Filter 942.5 MHz for EGSM

MODEL NO.: TA942FG

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 0 V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +85°C

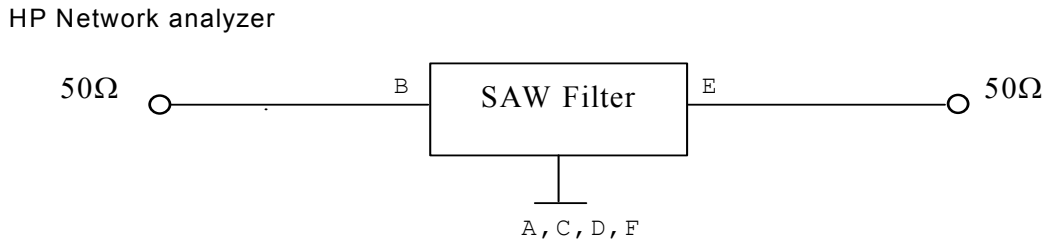
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

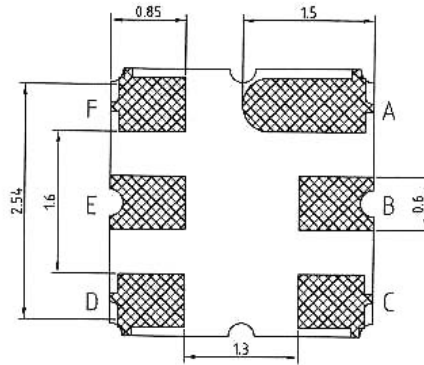
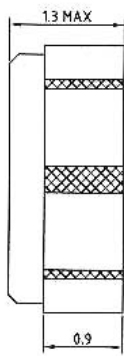
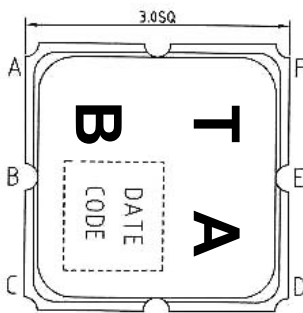
Item		Min.	Typ.	Max.
Center frequency	F_c (dB)	-	942.5	-
Insertion loss (925~960 MHz)	IL (dB)	-	2.6	3.5
Amplitude ripple (925~960 MHz)	(dB)	-	1.3	1.9
Attenuation (Reference level from 0 dB)				
D.C. ~ 100	MHz (dB)	30.0	33.0	-
100 ~ 700	MHz (dB)	23.0	27.5	-
700 ~ 800	MHz (dB)	25.0	28.0	-
800 ~ 890	MHz (dB)	28.0	30.5	-
890 ~ 905	MHz (dB)	35.0	41.0	-
905 ~ 915	MHz (dB)	7.0	22.0	-
980 ~ 1000	MHz (dB)	20.0	33.0	-
1000 ~ 1200	MHz (dB)	30.0	32.0	-
1200 ~ 1550	MHz (dB)	30.0	33.0	-
1550 ~ 1950	MHz (dB)	25.0	33.0	-
1950 ~ 2800	MHz (dB)	20.0	25.0	-
2800 ~ 3000	MHz (dB)	15.0	23.0	-
VSWR (925~960 MHz)		-	2.3	2.8
Source impedance	Z_s (Ω)	-	50	-
Load impedance	Z_L (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

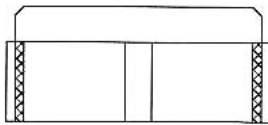
C. MEASUREMENT CIRCUIT:



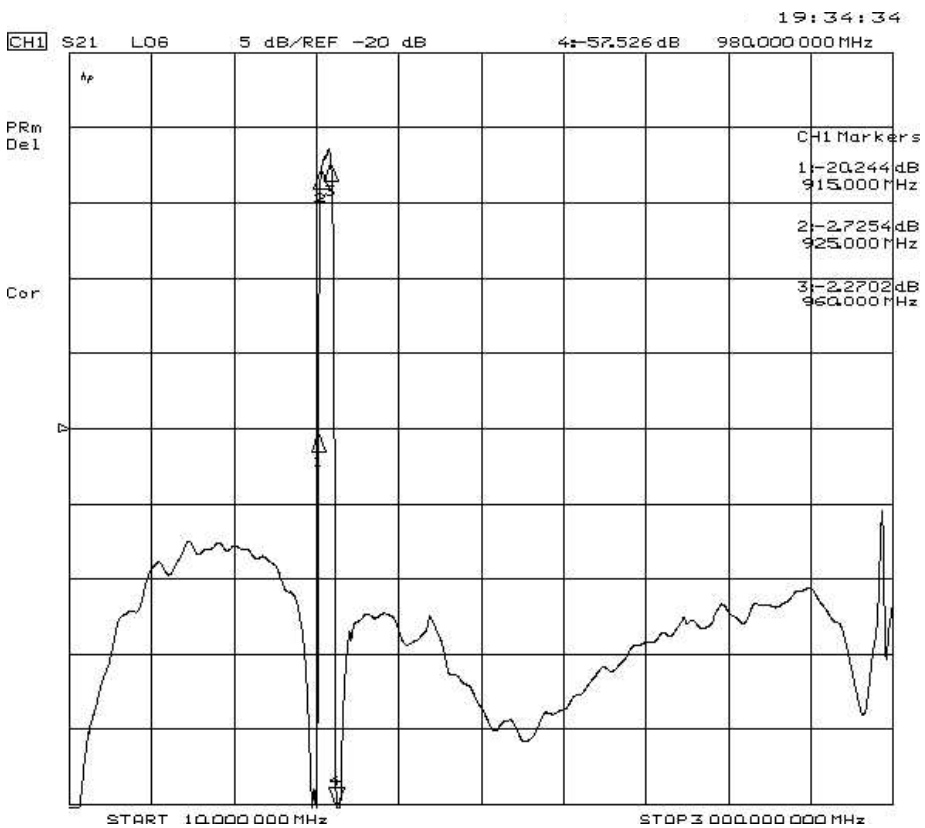
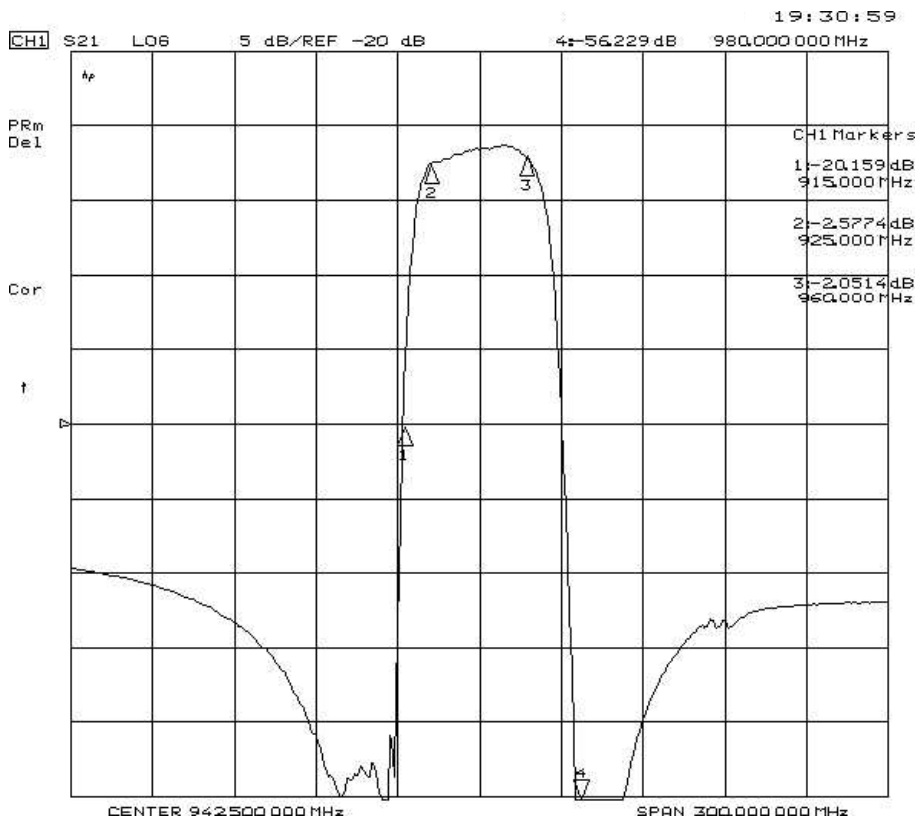
D. OUTLINE DRAWING:



B INPUT
 E OUTPUT
 A,C,D,F GROUND

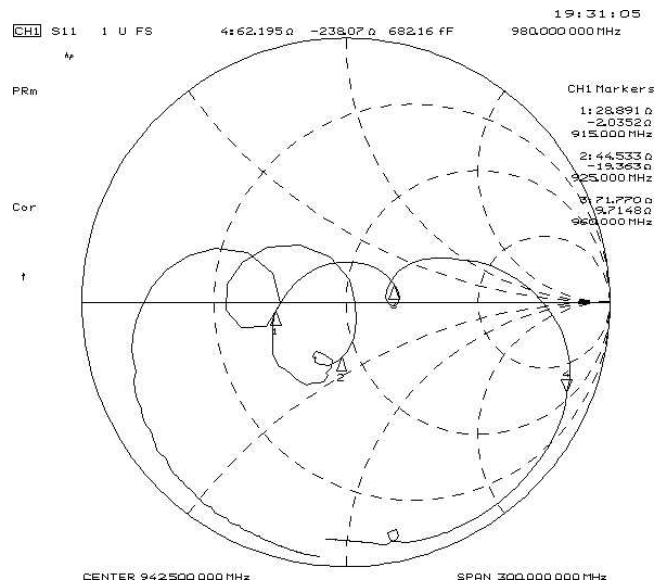
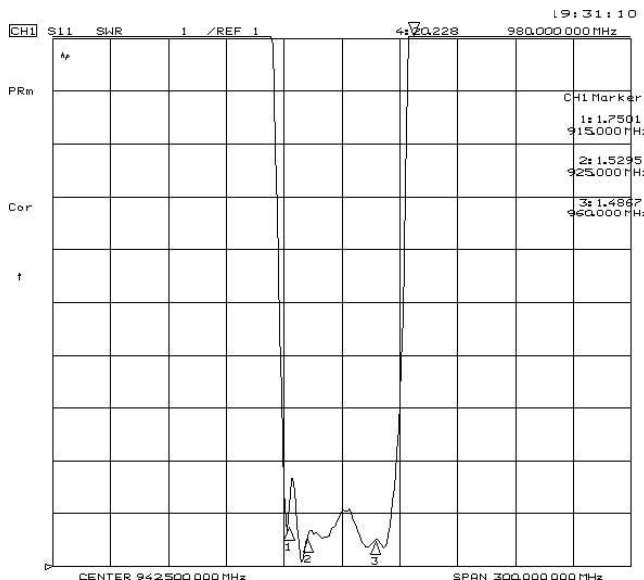


E. Frequency Characteristics : Transfer function

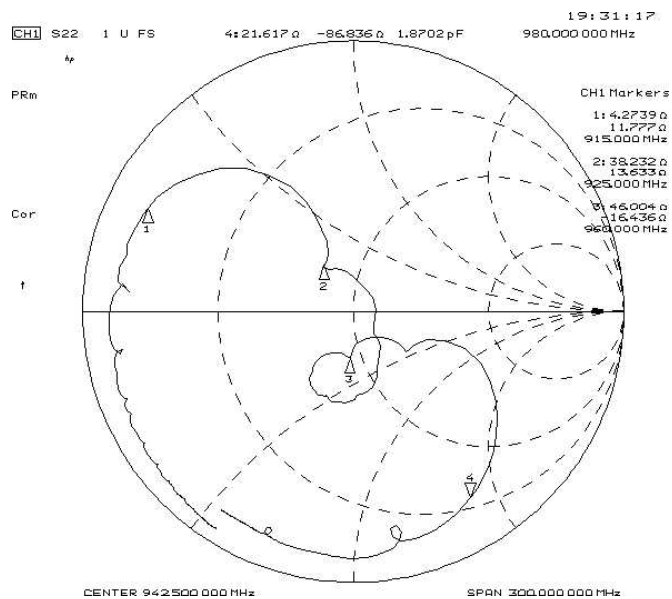
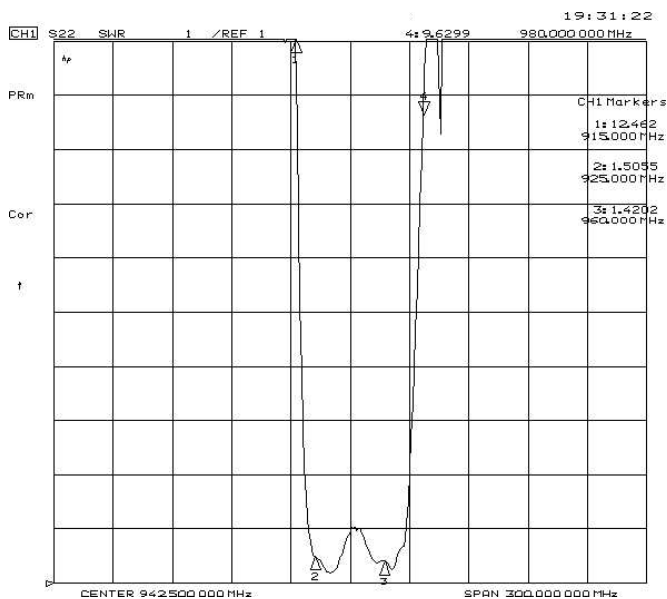


Reflections Functions :

S11 VSWR

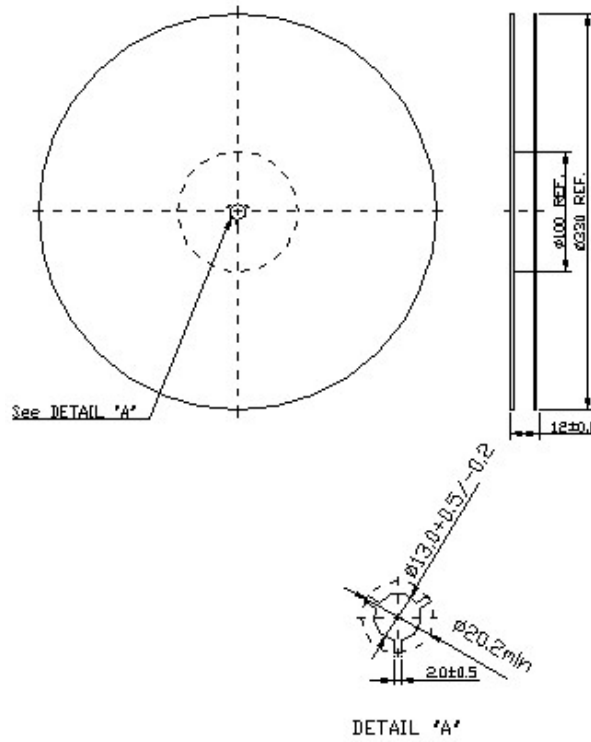


S22 VSWR



F. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

