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 479.5MHz SMD5X5mm

TST Parts No.: TE0107A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by: Jacky Huang

Approval by: Francis Chen

Date: 2003/10/31

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Two-channel SAW Filter 479.5MHz for Satellite Receiver

MODEL NO.: TE0107A REV. NO.:1

RoHS Compliant
Lead free
Lead-free soldering

A. MAXIMUM RATING:

1.AC Voltage Vac: 5V

2.Operating Temperature: -25°C to 85°C

3.Storage Temperature: -40°C to 85°C

B. ELECTRICAL CHARACTERISTICS OF CHANNEL 1:

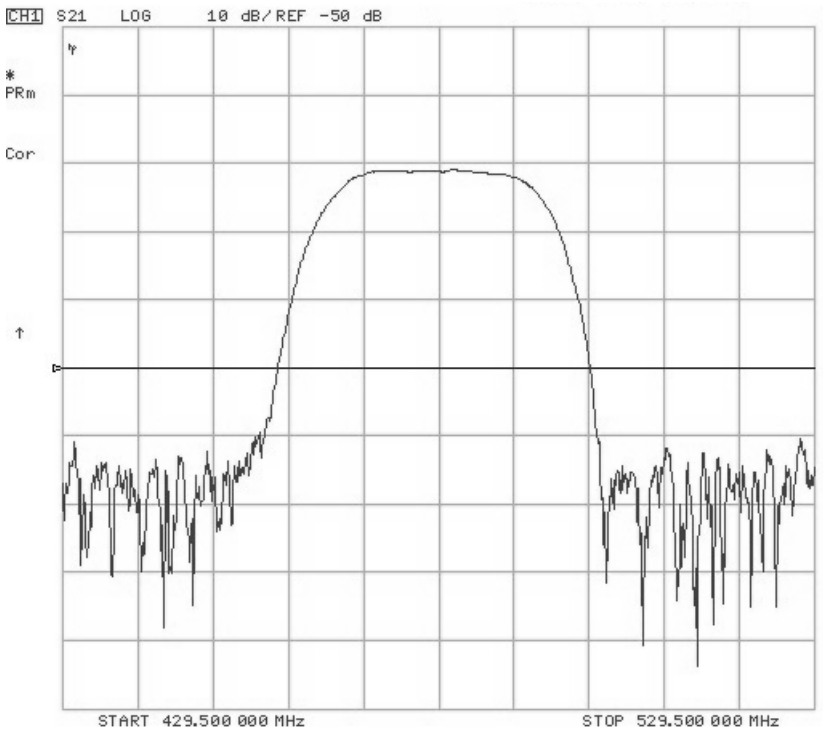
Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	479.5	-
Insertion Loss, **IL** at Fc	dB	-	21.0	22.5
Passband width, **BW3**	MHz	-	26	-
Amplitude Ripple in Fc±8.5MHz	dB	-	0.6	1.0
Group delay ripple in Fc±13.5MHz	nS	-	20	32
Attenuation:(Reference level from IL)				
Fc –13.5MHz	dB	-	3.0	4.5
Fc +13.5MHz	dB	-	3.5	4.5
Fc -50 to –27.5MHz	dB	36	40	-
Fc +27.5 to +50MHz	dB	34	40	-
Temperature coefficient of frequency	ppm/c	-	-86	-

C. ELECTRICAL CHARACTERISTICS OF CHANNEL 2:

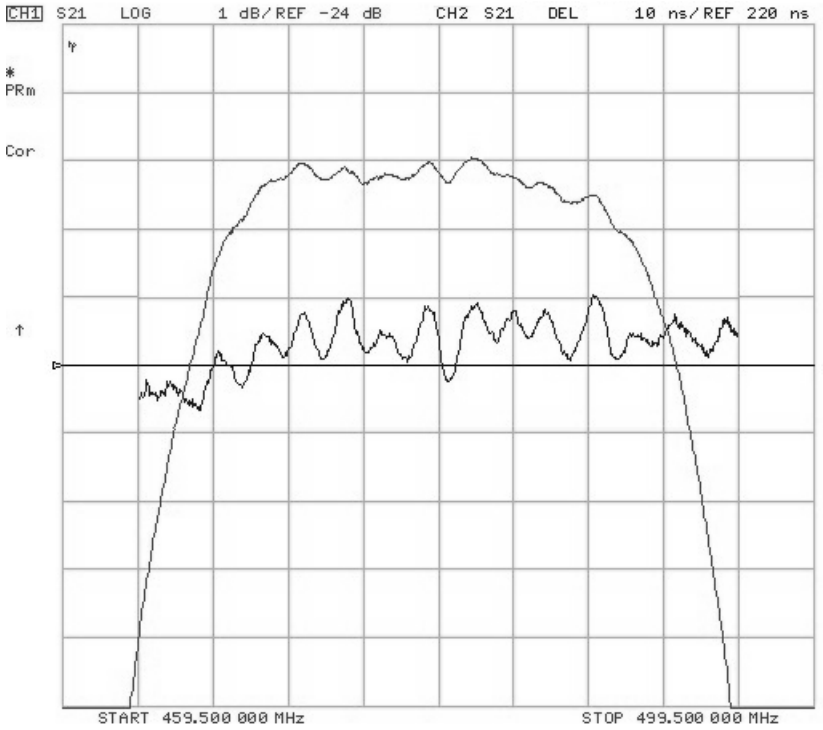
Item	Unit	Min.	Type.	Max.
Center frequency, **Fc**	MHz	-	479.5	-
Insertion Loss, **IL** at Fc	dB	-	21.3	22.5
Passband width, **BW3**	MHz	-	18	-
Amplitude Ripple in Fc±3.5MHz	dB	-	0.35	0.8
Group delay ripple in Fc±9MHz	nS	-	18	28
Attenuation:(Reference level from IL)				
Fc –9MHz	dB	-	2.5	4.5
Fc +9MHz	dB	-	2.5	4.5
Fc -50 to –22MHz	dB	36	40	-
Fc +21 to +50MHz	dB	34	40	-
Temperature coefficient of frequency	ppm/c	-	-86	-

D.FREQUENCY CHRACTERISTICS OF CHANNEL 1:

(1) Frequency Response:

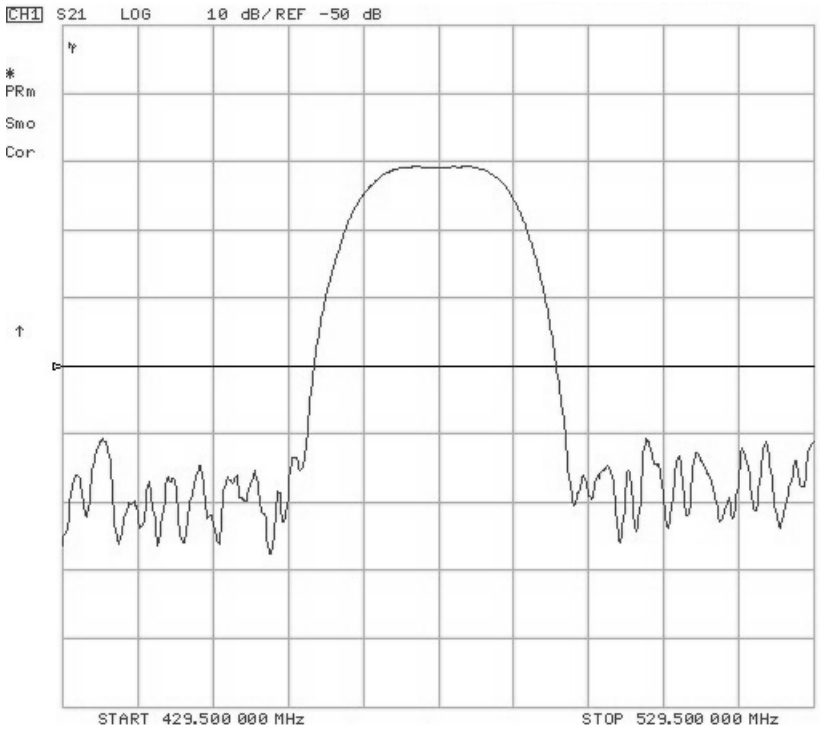


(2)Amplitude ripple & Group Delay:

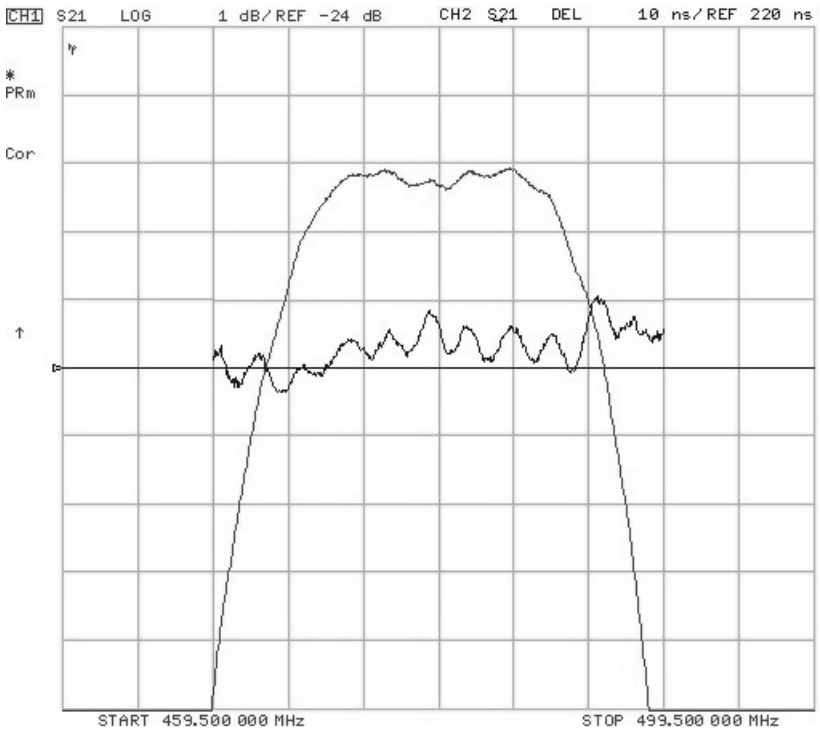


E.FREQUENCY CHRACTERISTICS OF CHANNEL 2:

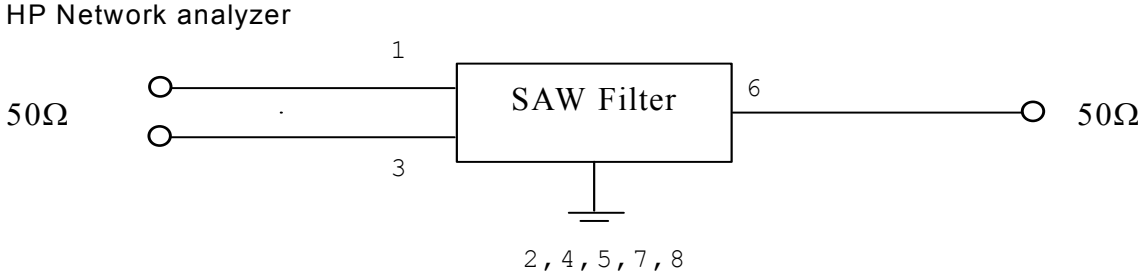
(1) Frequency Response:



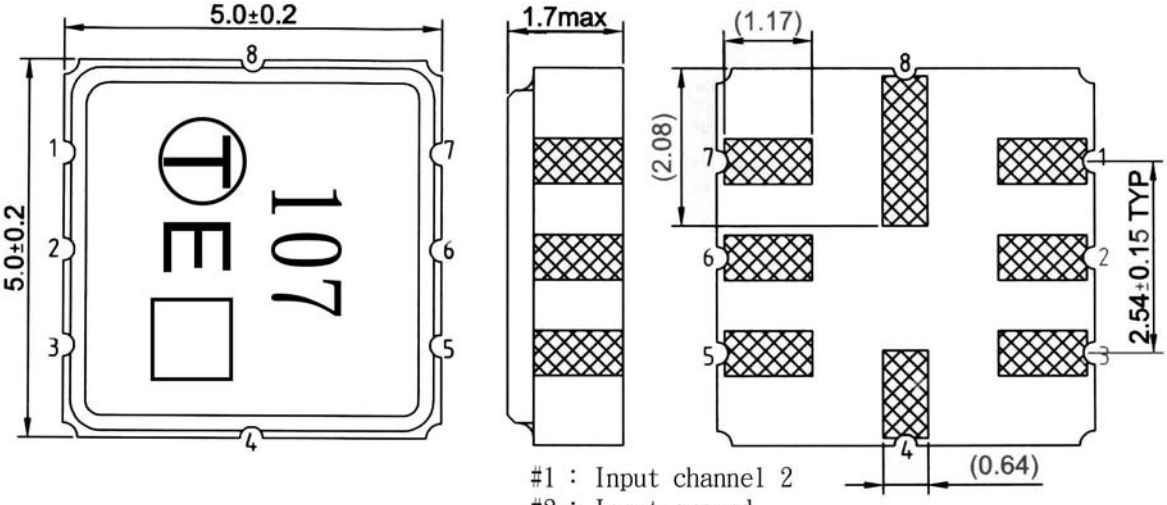
(2) Amplitude ripple & Group Delay:



F. MEASUREMENT CIRCUIT:

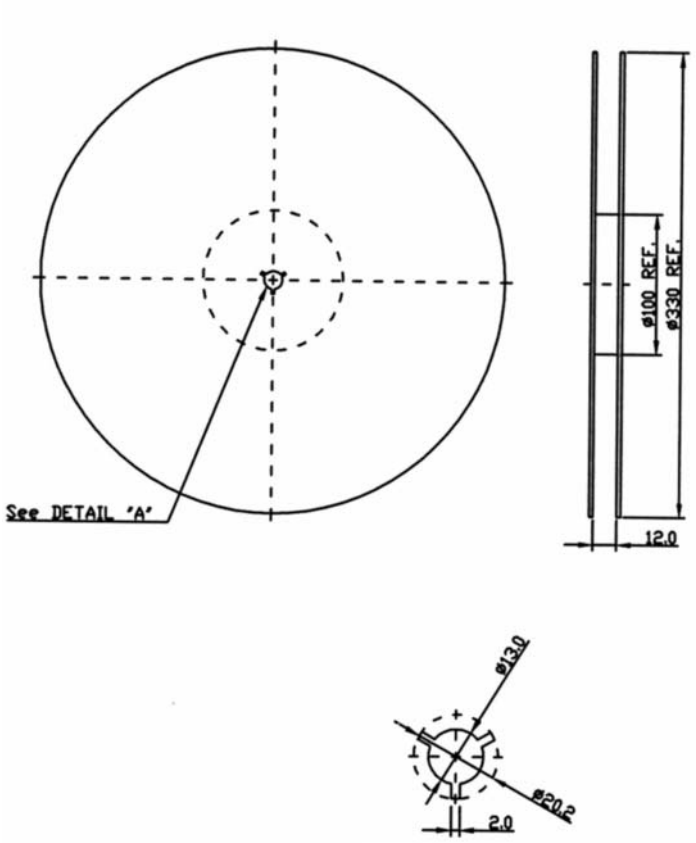


G.OUTLINE DRAWING:



H. PACKING:

1.REEL DIMENSION



2.TAPE DIMENSION