



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 415.4MHz SMD 3.8×3.8 mm

TST Parts No.:TA0525A

Customer Parts No.:_____

Company:_____

Division:_____

Approved by :_____

Date:_____

Checked by:_____Elvis Chiu

Approval by:_____Francis Chen

Date:_____2005/12/26



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SAW Filter 415.4 MHz

MODEL NO.: TA0525A

REV. NO.:1

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 3 V
3. Operating Temperature: +15°C to +35°C
4. Storage Temperature: -40°C to +85°C

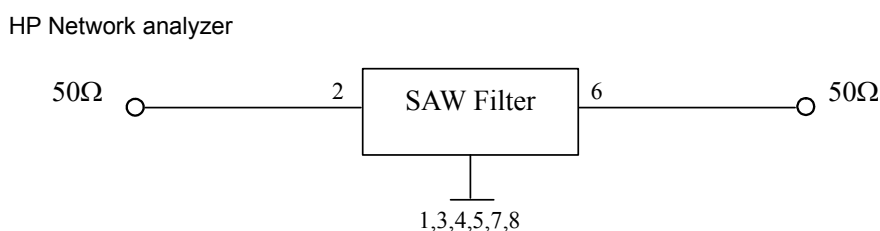
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item			Min.	Typical	Max.
Center frequency	F _c	MH	-	415.4	-
Insertion loss	412.9 ~ 417.9 MHz	IL	dB	2.2	3.6
Amplitude ripple	412.9 ~ 417.9 MHz		dB	0.7	2.1
VSWR	412.9 ~ 417.9 MHz		dB	1.3	2.1
Attenuation (Reference level from 0 dB)					
1 ~ 379.0	MHz	dB	40	61	-
379.0 ~ 394.0	MHz	dB	31	50	-
394.0 ~ 405.5	MHz	dB	10	44	-
441.0 ~ 469.0	MHz	dB	37	55	-
469.0 ~ 550.0	MHz	dB	40	56	-
Temperature coefficient of frequency		ppm/k	-	-36	-
Source impedance	Z _s	Ω	-	50	-
Load impedance	Z _L	Ω	-	50	-

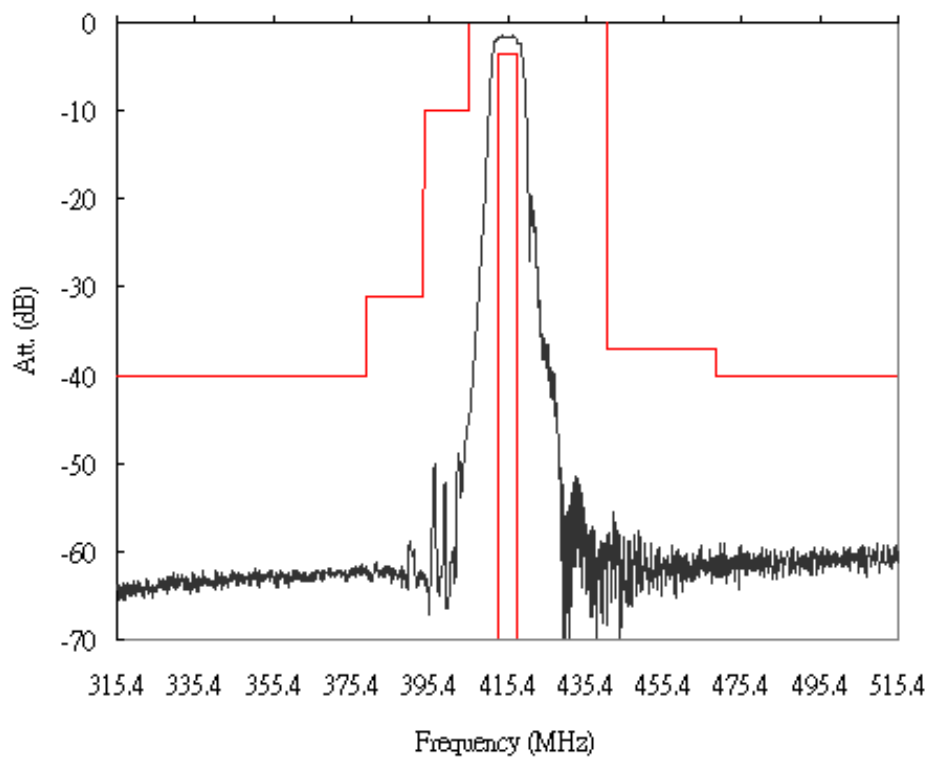
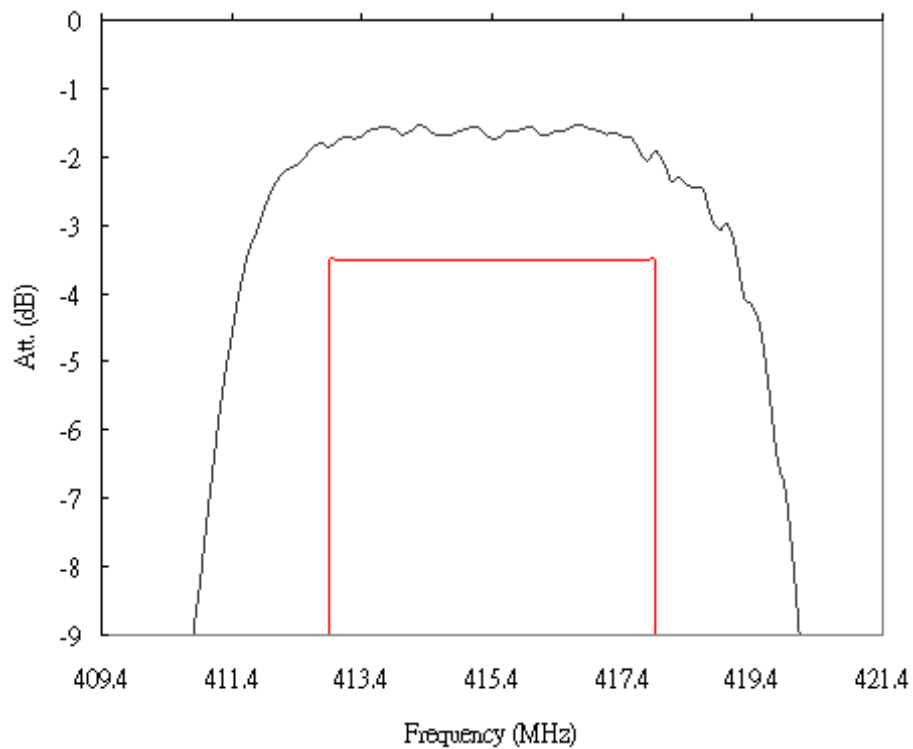
Note1. No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

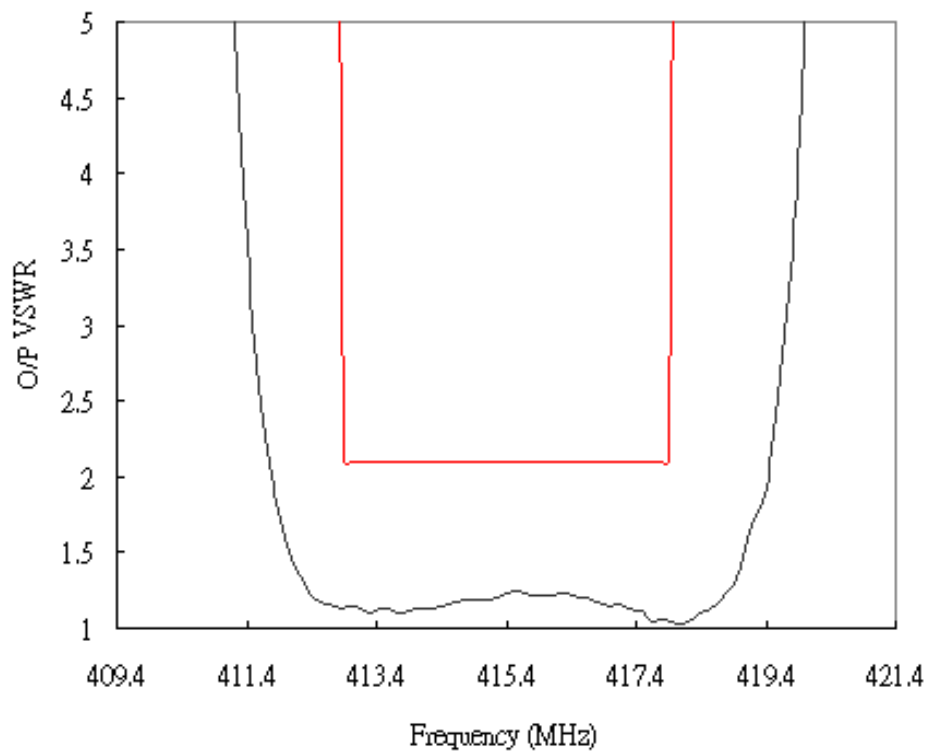
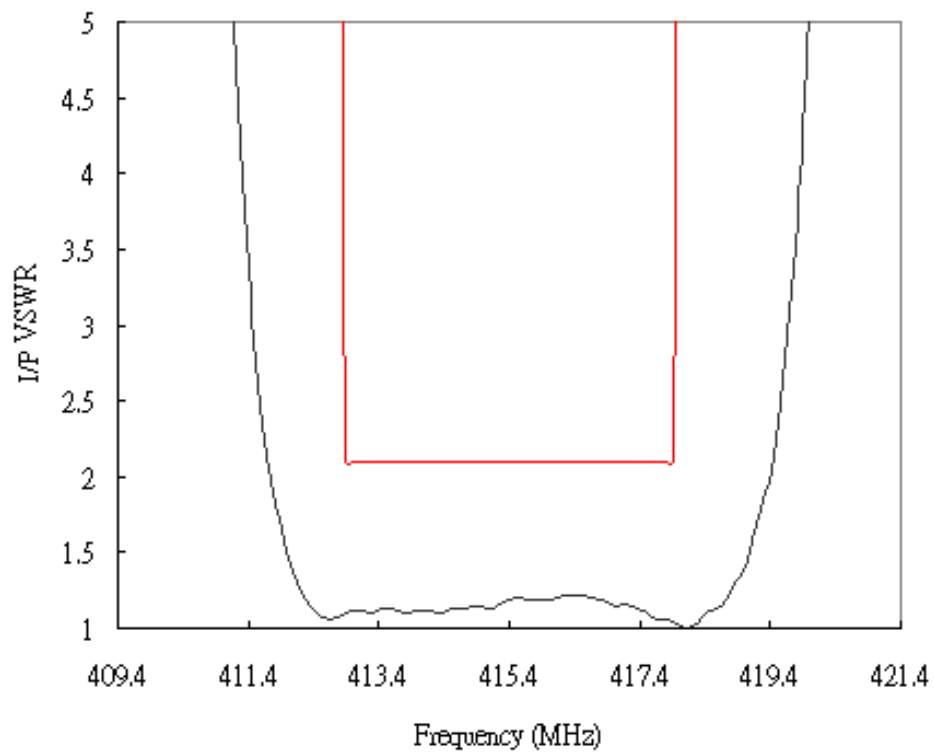


D. FREQUENCY CHARACTERISTICS :

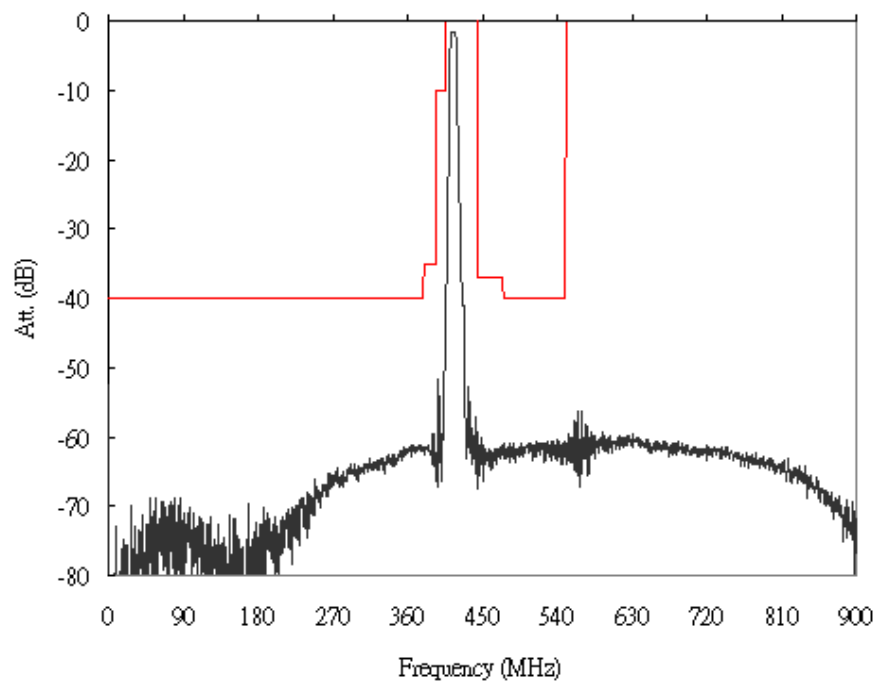
Transfer Function:



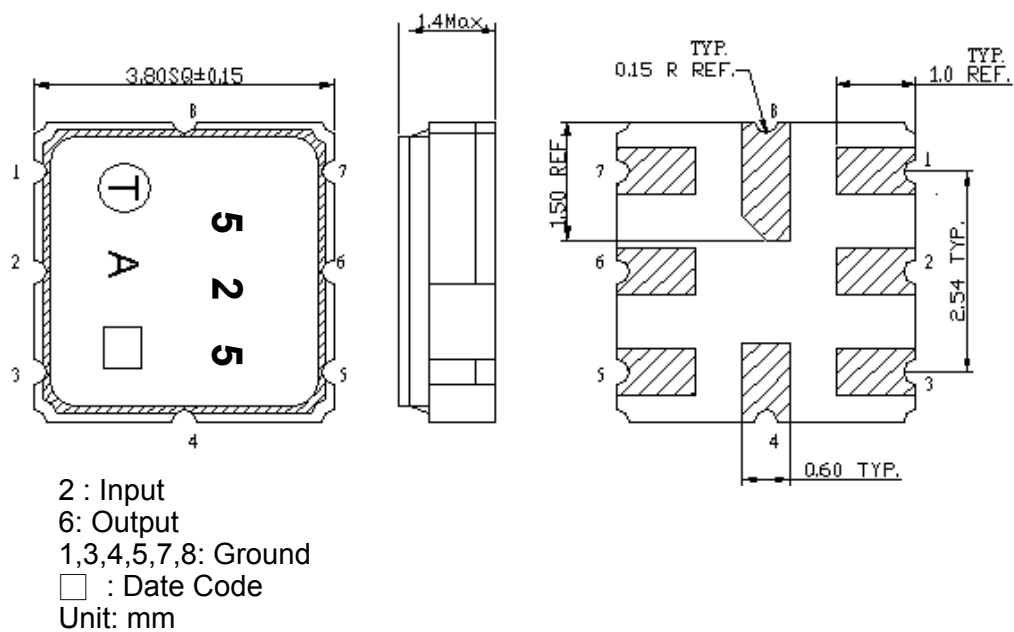
Reflection Function:



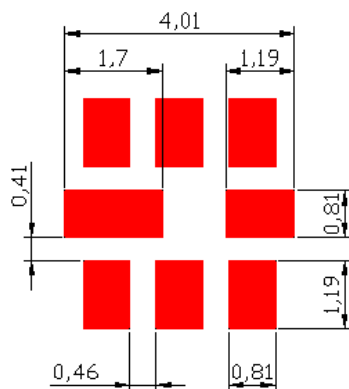
Wideband



E.OUTLINE DRAWING:

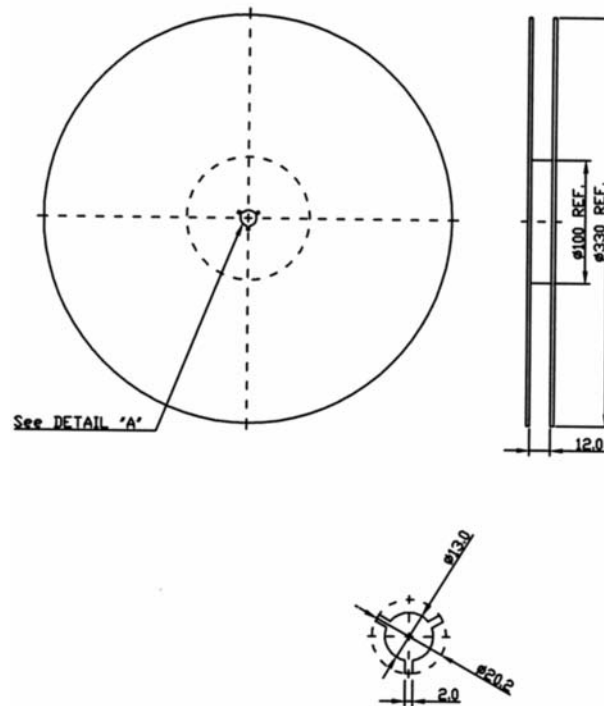


F.PCB FOOTPRINT:



G. PACKING:

1. REEL DIMENSION



2.TAPE DIMENSION

