



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

Product Specifications Approval Sheet

Product Description: SAW Filter 426.44MHz SMD 3.8X3.8 mm(BW=1.03MHz)

TST Part No.: TA1216A

Customer Part No.: _____

Customer signature required
Company: _____
Division: _____
Approved by : _____
Date: _____

Checked by: Paul Ni *Paul Ni*

Approved by: Francis Chen *Francis Chen*

Date: 2010/11/04

1. Customer signed back is required before TST can proceed with sample build and receive orders.
2. Orders received without customer signed back will be regarded as agreement on the specifications.
3. Any specifications changes must be approved upon by both parties and a new revision of specifications shall be released to reflect the changes.



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SAW Filter 426.44 MHz

MODEL NO.:TA1216A

REV. NO : 1.0

A. MAXIMUM RATING:

1. Input Power Level: 20 dBm
2. DC Voltage : 10V
3. Operating Temperature: -20°C to +70°C
4. Storage Temperature: -30°C to +85°C

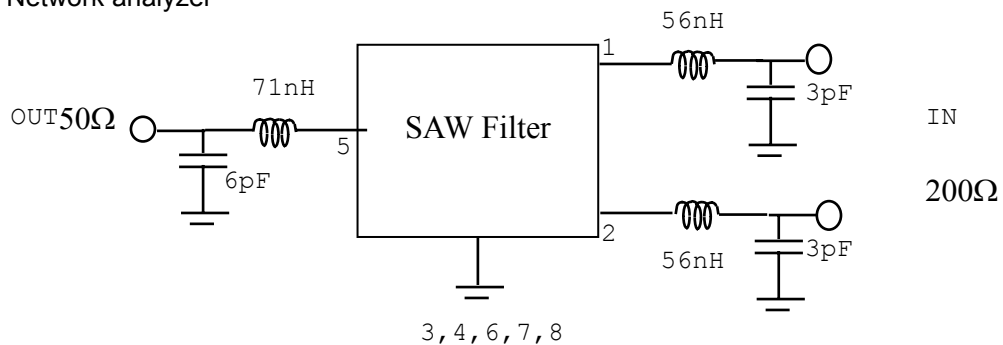
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

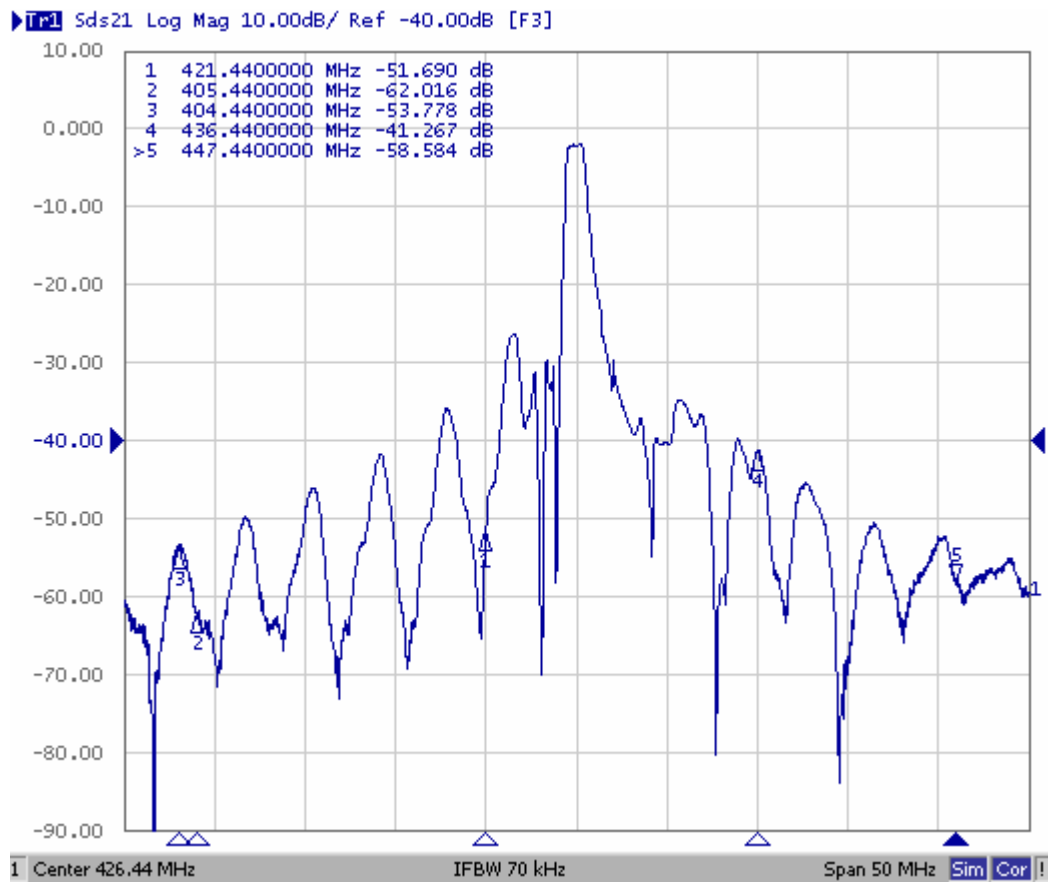
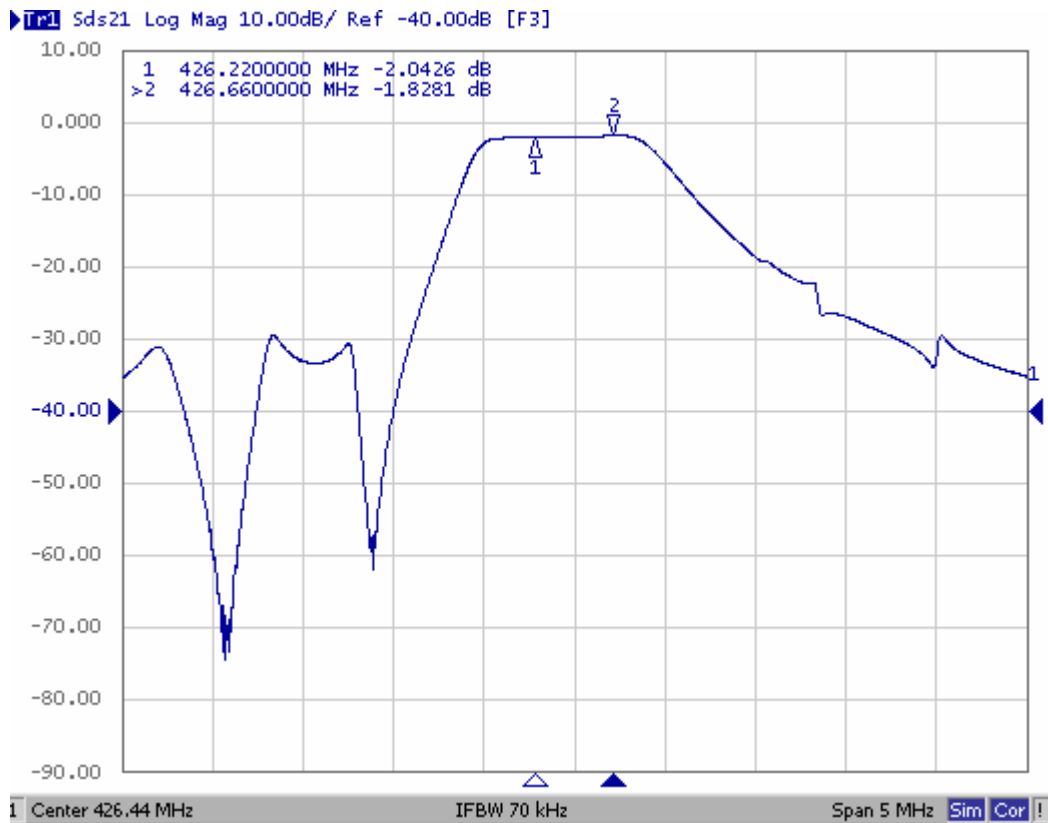
Characteristic	Unit	Minimum	Typical	Maximum
Center frequency F_c	MHz	-	426.44	-
Minimum Insertion Loss IL	dB	-	2.0	3
Amplitude Ripple (426.22~426.66 MHz)	dB	-	0.35	1
Bandwidth@ -3dB	MHz	1.0	1.03	-
Rejection Referenced to 0dB				
404.64 ~ 405.44 MHz	dB	50	53.0	-
405.44 ~ 421.44 MHz	dB	30	36.0	-
436.44 ~ 447.84 MHz	dB	32	41.0	-
470.00 ~ 770.00 MHz	dB	50	61.0	-
800.00 ~ 2010.0 MHz	dB	40	69.0	-
Balanced Source Impedance	ohm	-	200	-
Load Impedance	ohm	-	50	-
Package size		SMD 3.8X3.8X1.7mm		

C.Measurement Circuit :

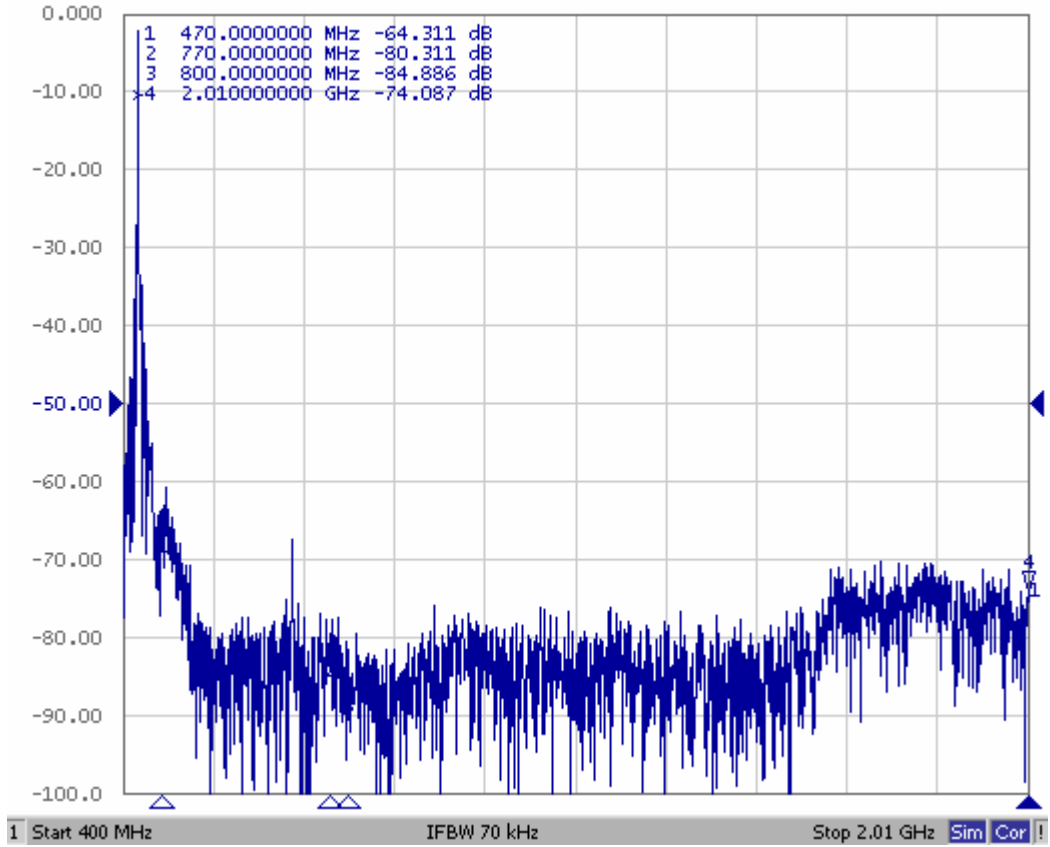
HP Network analyzer



D. Frequency Characteristics :



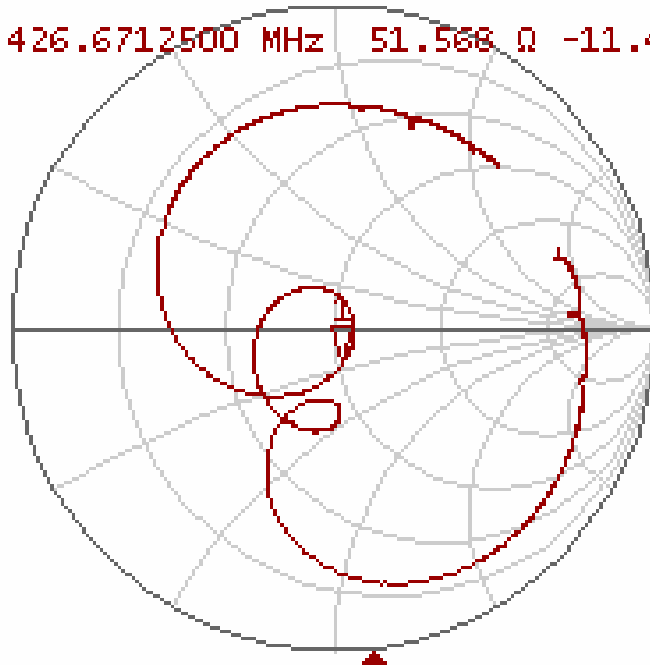
Tr1 Sds21 Log Mag 10.00dB/ Ref -50.00dB [F3]



Smith chart

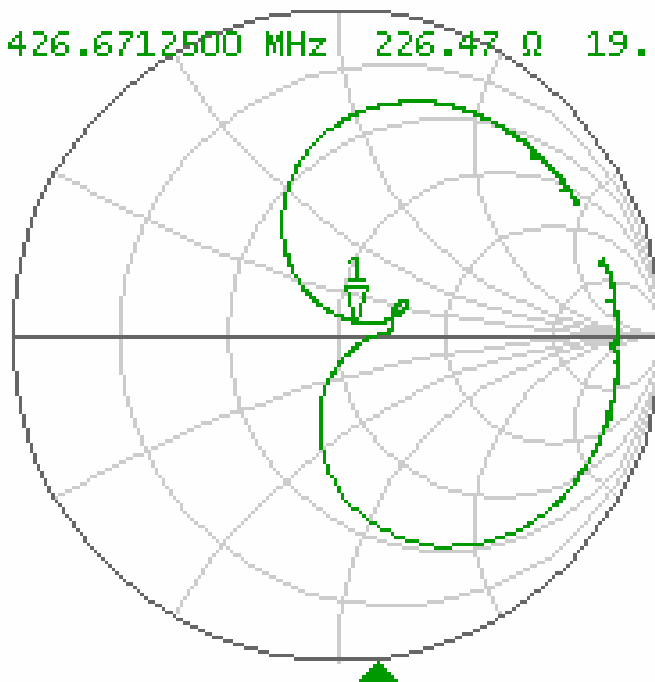
Tr2 Sss11 Smith (R+jX) Scale 1.000U [F3]

>1 426.6712500 MHz 51.568 Ω -11.475 Ω

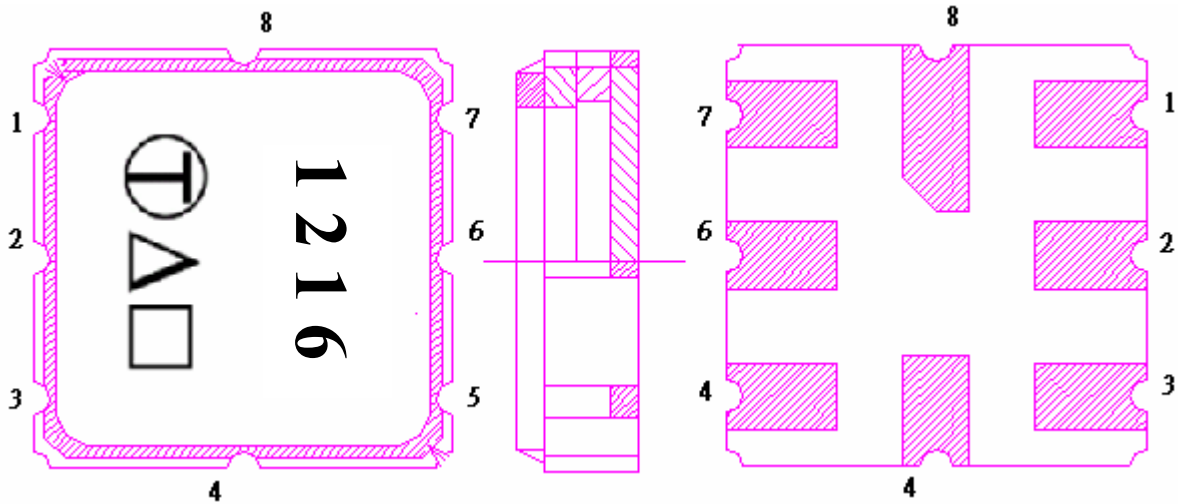


Tr3 Sdd22 Smith (R+jX) Scale 1.000U [F3]

>1 426.6712500 MHz 226.47 Ω 19.263 Ω



E. OUTLINE DRAWING:



1, 2 : Input

5: Output

3,4,6,7,8: Ground

Δ : Year Code

\square : Data Code(Follow the table provided by planer each year)

Unit : mm

Δ Product Year Code

Year	2009	2010
	2011	2012
	2013	2014
Product code	A	a

H. RECOMMENDED REFLOW PROFILE :

