



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 1575.42 MHz SMD 2.0x1.6 mm (BW=2 MHz)

TST Part No.: TA0406C

Customer Part No.: _____

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

Checked by: _____ David Chang

Approved by: _____ Francis Chen 

Date: _____ 2013/01/18

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.



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

SAW Filter 1575.42 MHz for GPS

MODEL NO.: TA0406C

REV. NO.:6

A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m (1574.42 ~ 1576.42 MHz)
2. Input Power Level: 10 dB_m (D.C. ~ 1500 MHz and 1625 ~ 3000MHz)
3. DC voltage: 7.5 V
4. Operating Temperature: -40°C to +85°C
5. Storage Temperature: -40°C to +95°C

RoHS Compliant
Lead free
Lead-free soldering

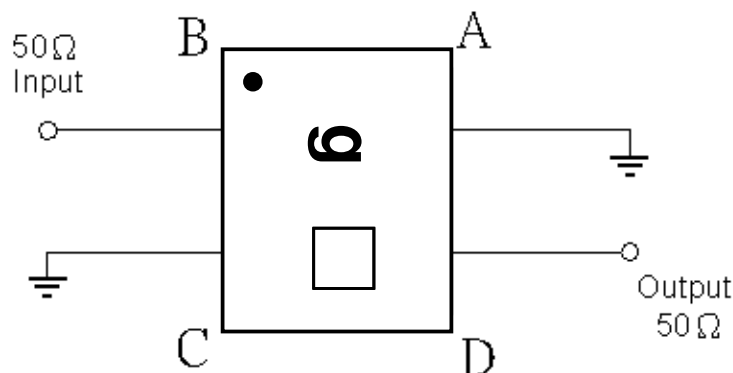
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

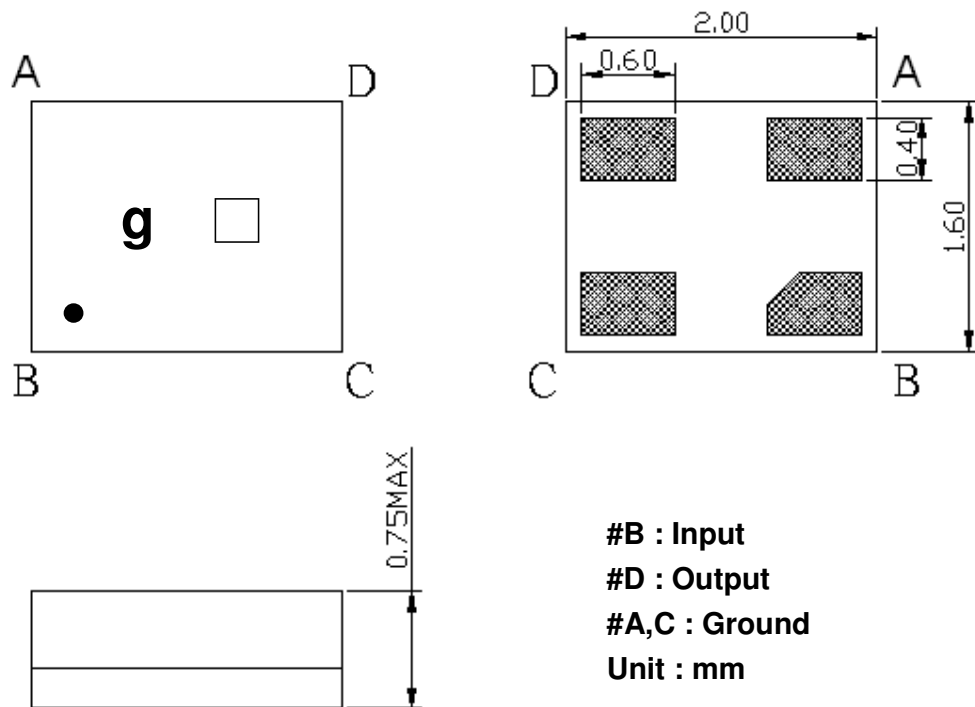
Item		Min.	Typ.	Max.
Center frequency	F _c (MHz)	-	1575.42	-
Insertion loss (1574.42~1576.42 MHz)	IL (dB)	-	1.2	1.6
Amplitude ripple (1574.42~1576.42 MHz)	(dB)	-	0.1	0.8
Bandwidth @ -2dB	(MHz)	-	42	-
Attenuation (Reference level from 0 dB)				
D.C. ~ 1000 MHz	(dB)	20	34	-
1500 MHz	(dB)	33	38	-
1625 ~ 1635 MHz	(dB)	30	39	-
1800 ~ 3000 MHz	(dB)	25	32	-
VSWR (1574.42~1576.42 MHz)		-	1.2	1.8
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

Note1. The standard definitions is in JIS C 6703

C. MEASUREMENT CIRCUIT:



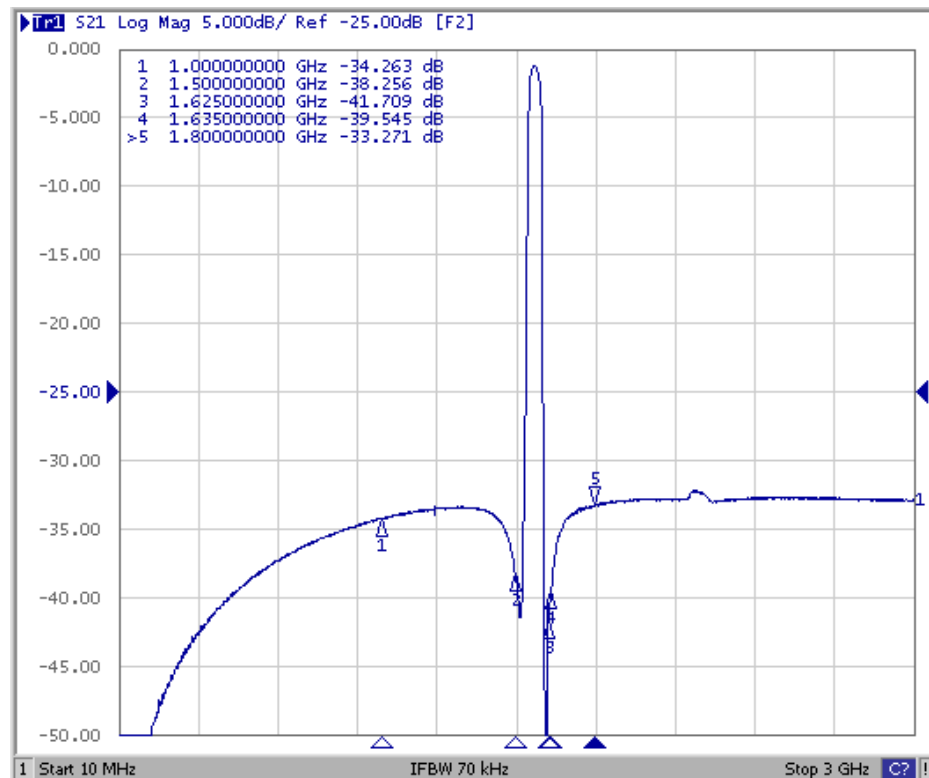
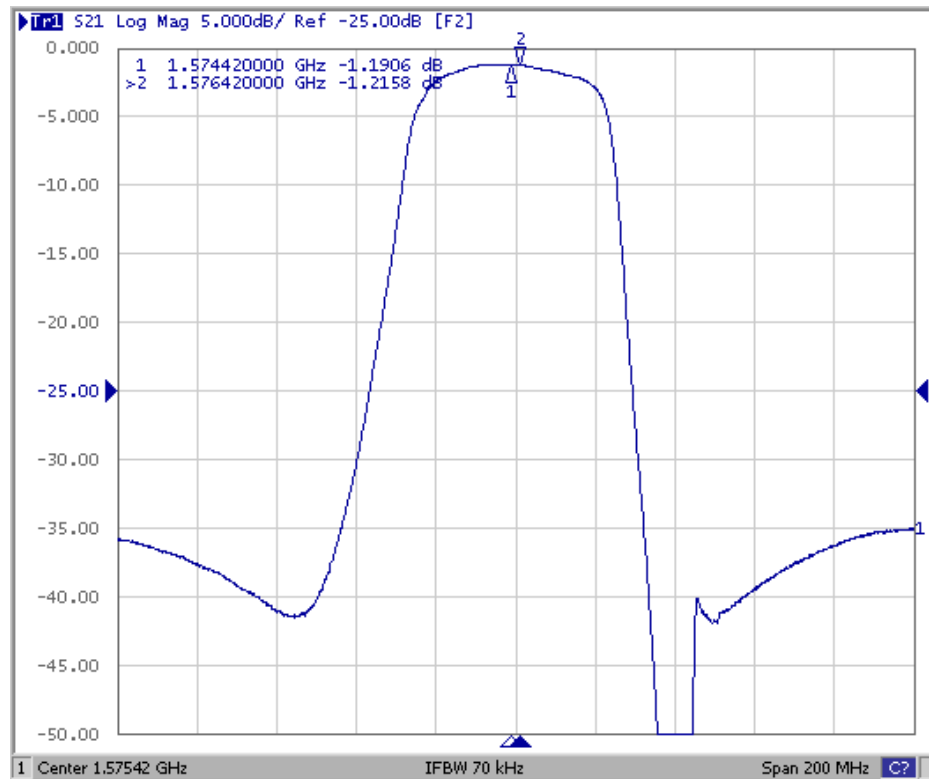
D. OUTLINE DRAWING:



□ : Year/Month Code (Follow the table)

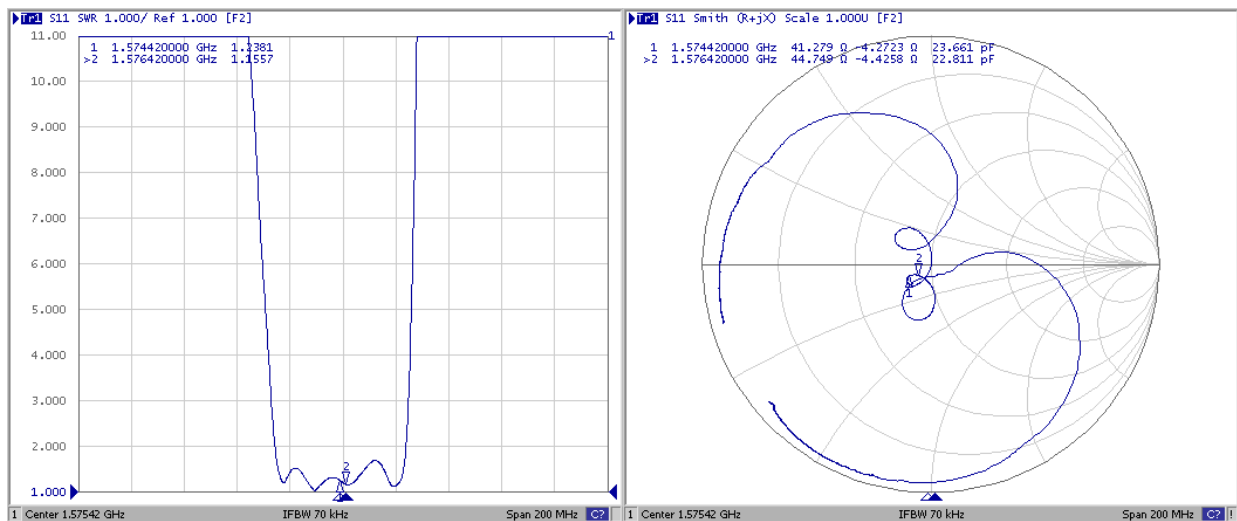
Year/Month	1	2	3	4	5	6	7	8	9	10	11	12
2006	A	B	C	D	E	F	G	H	J	K	L	M
2007	N	P	Q	R	S	T	U	V	W	X	Y	Z
2008	a	b	c	d	e	f	g	h	j	k	i	m
2009	n	p	q	r	s	t	u	v	w	x	y	z
2010	A	B	C	D	E	F	G	H	J	K	L	M
2011	N	P	Q	R	S	T	U	V	W	X	Y	Z

F. Frequency Characteristics: Transfer function

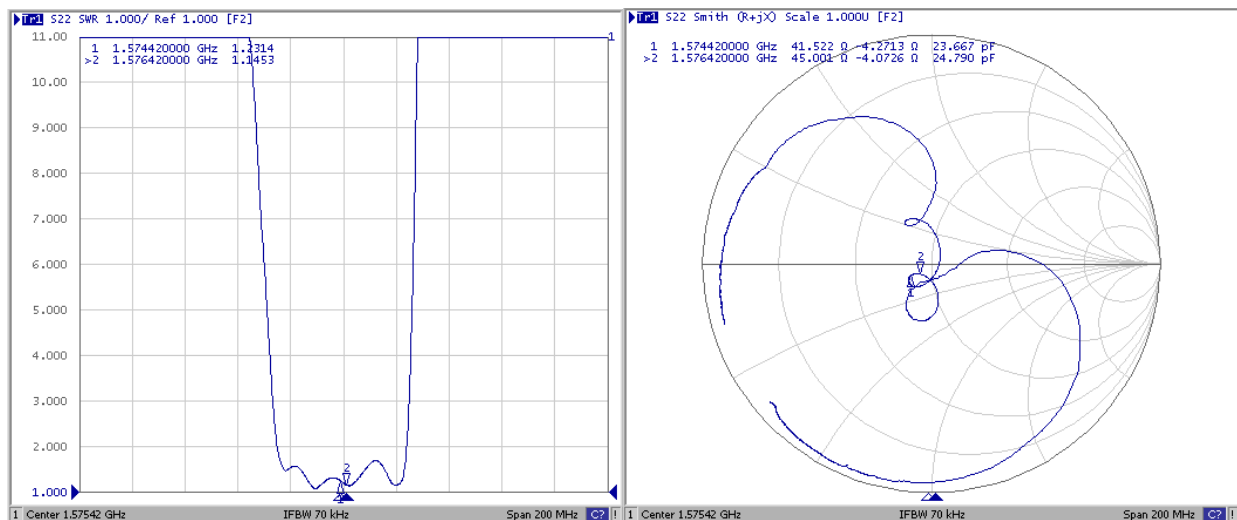


Reflections Functions:

S11 VSWR



S22 VSWR



(Please refer to FR-75D10 for packing quantity)



H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150~180°C for 60~90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50~80 seconds and at 245~260°C peak (min. 10sec).
4. Time : 2 times.

