

SAW Filter 1575.42 MHz For GPS ~ LOW LOSS~

MODEL NO.: TA1575IG

REV. 7.0

A. MAXIMUM RATING:

1. Input Power Level: 10 dBm
2. DC Voltage : 0 V
3. Operating Temperature:-40 °C to +85 °C
4. Storage Temperature: -50 °C to +100 °C
5. Moisture Sensitive Level: Level 1 (MSL1)

RoHS Compliant
Lead free
Lead-free soldering

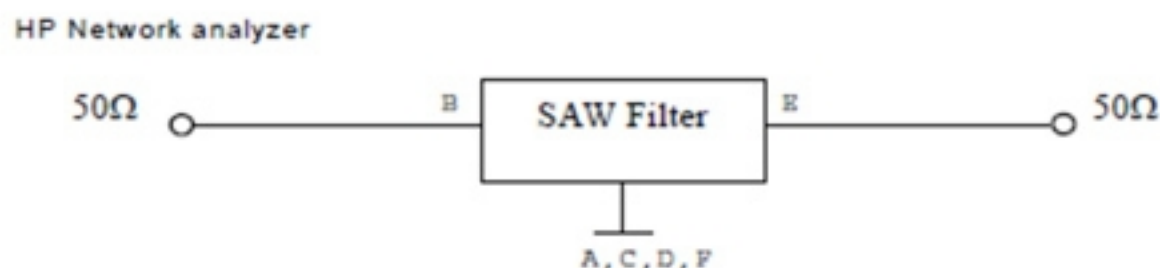
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

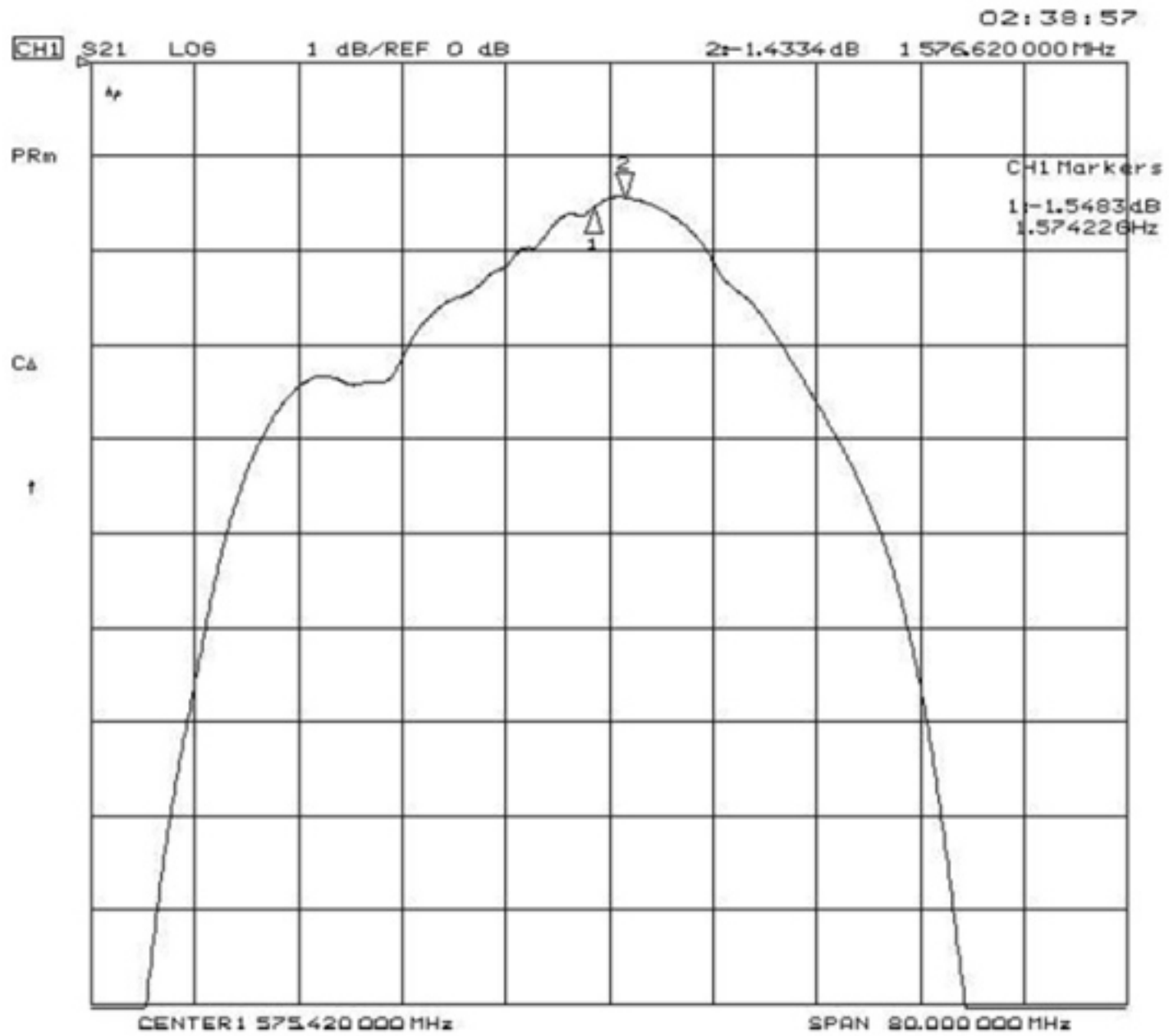
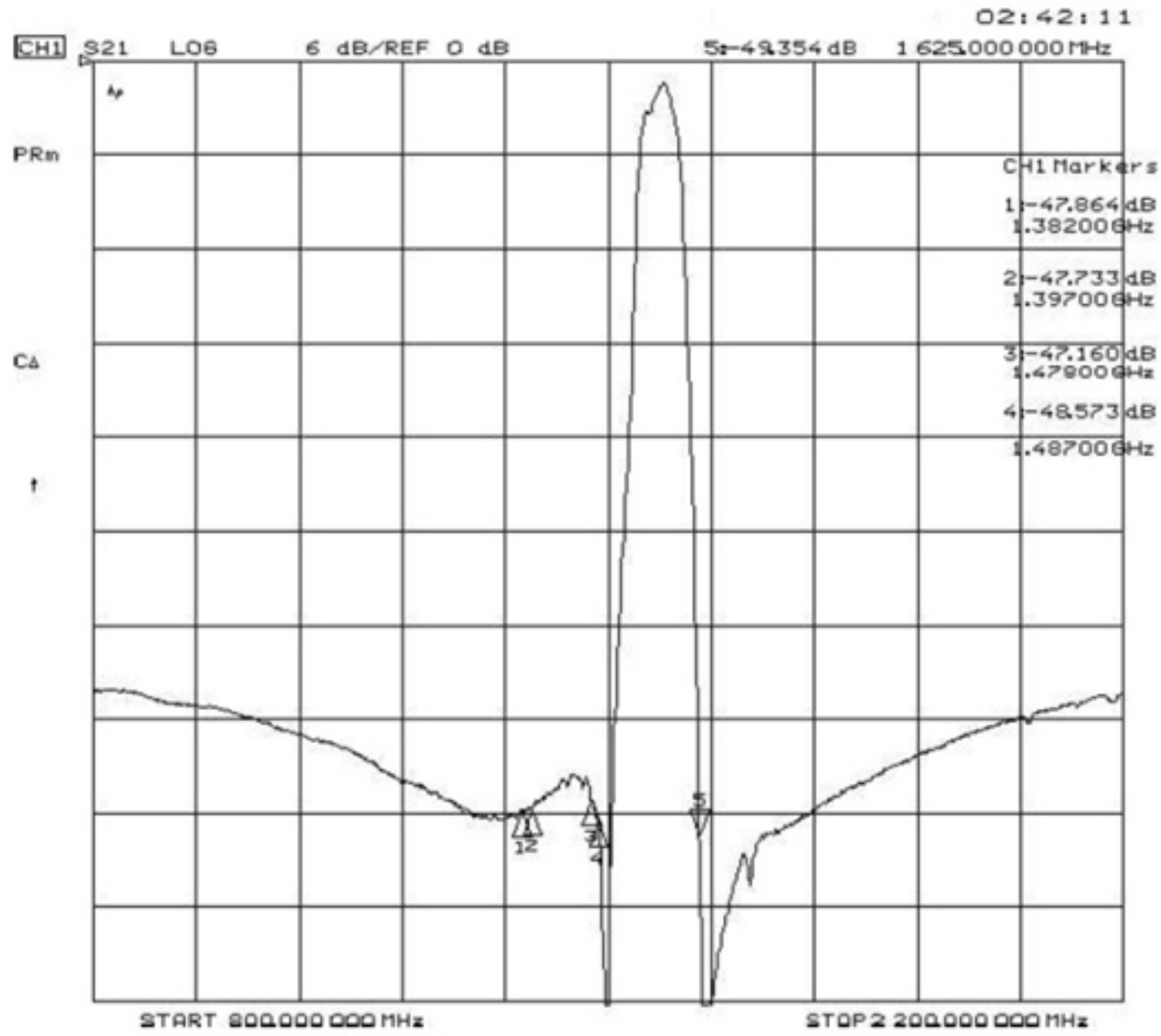
Item	Min	Typ.	Max
Center Frequency		1572.42dB	
Insertion Loss (1574.22 ~ 1576.62 MHz)		1.5dB	2.0dB
Amplitude Ripple (1572.22 ~ 1576.62 MHz)		0.15dB	1.0dB
Attenuation (Reference level from 0 dB)			
DC ~ 1382 MHz	37dB	40dB	
1382 ~ 1397 MHz	40dB	47dB	
1397 ~ 1478 MHz	40dB	45dB	
1478 ~ 1487 MHz	40dB	47dB	
1487 ~ 1500 MHz	30dB	52dB	
1625 ~ 1640 MHz	30dB	49dB	
1640 ~ 2000 MHz	38dB	42dB	
2000 ~ 3000 MHz	33dB	38.5dB	
VSWR within 1574.22 ~ 1576.62 MHz		1.1	2.0
Source impedance		50Ω	
Load impedance		50Ω	

Note1.No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT :

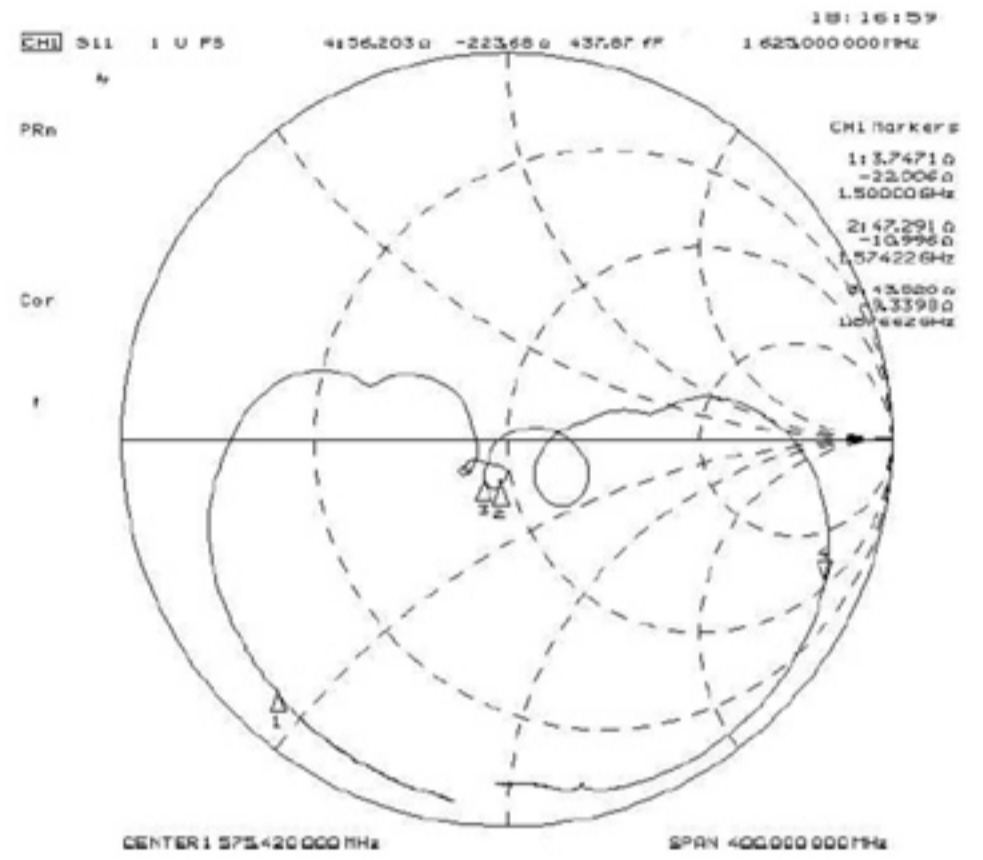
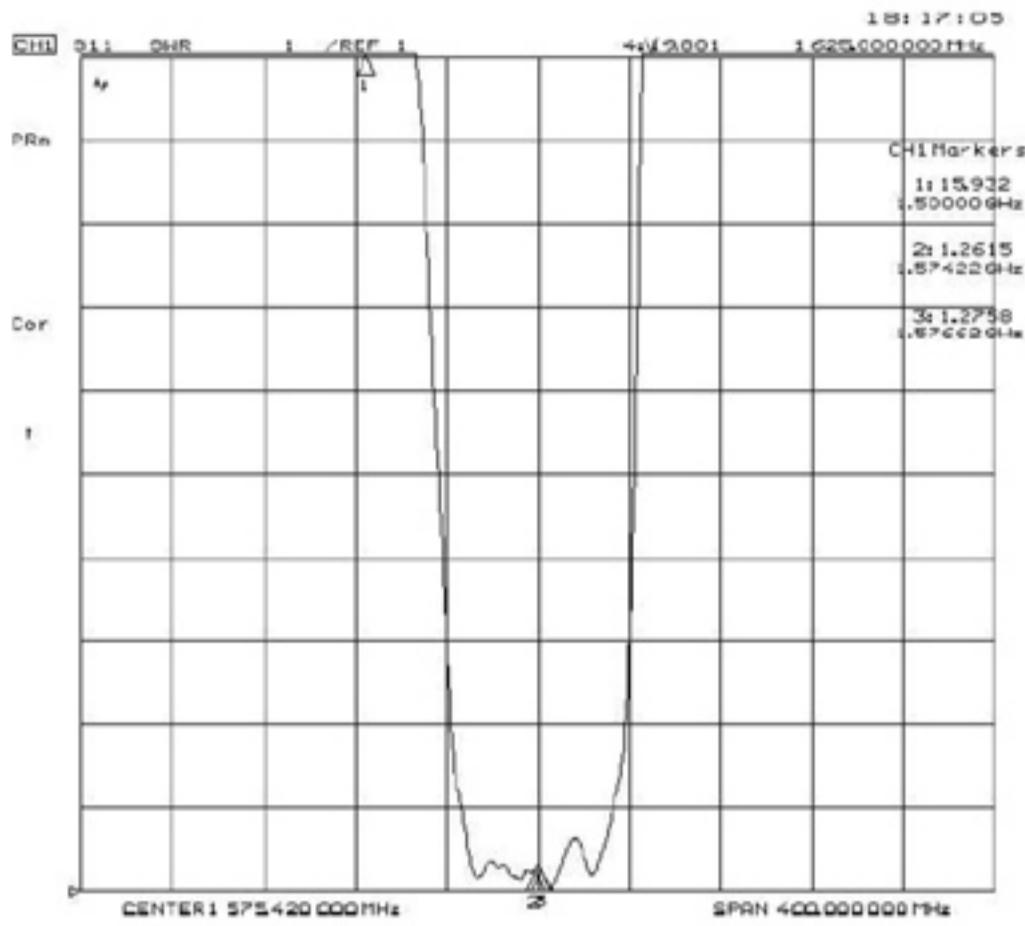


D. FREQUENCY CHARACTERISTICS:

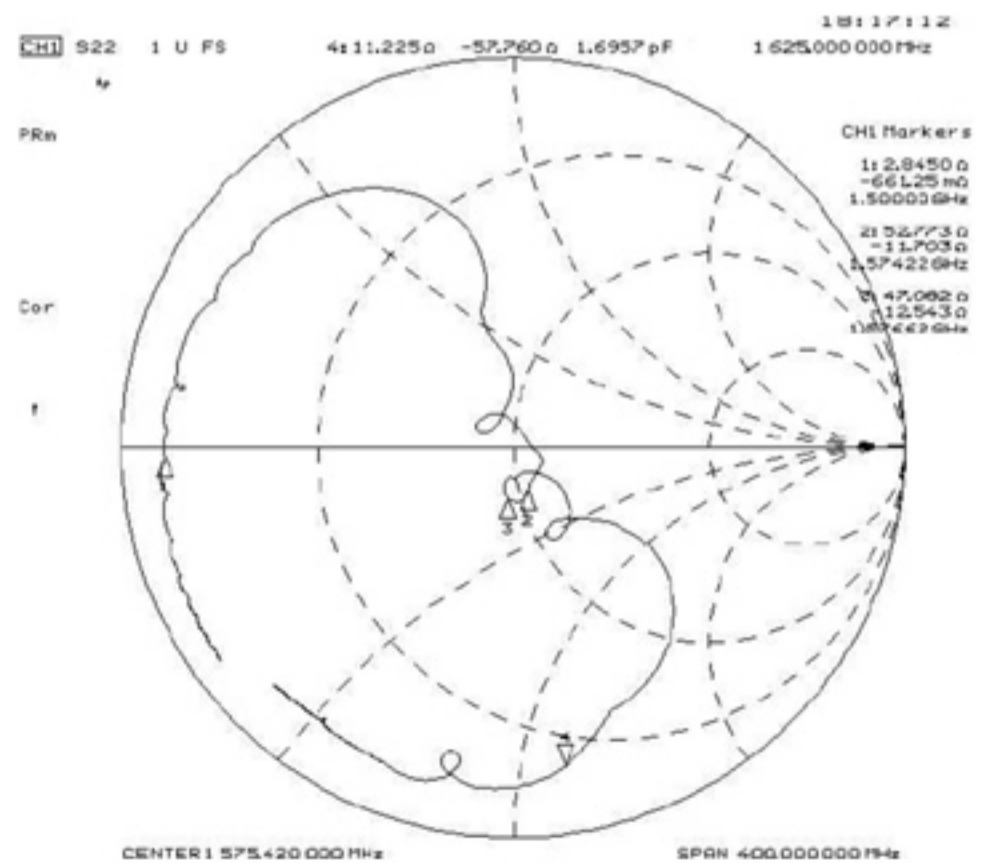
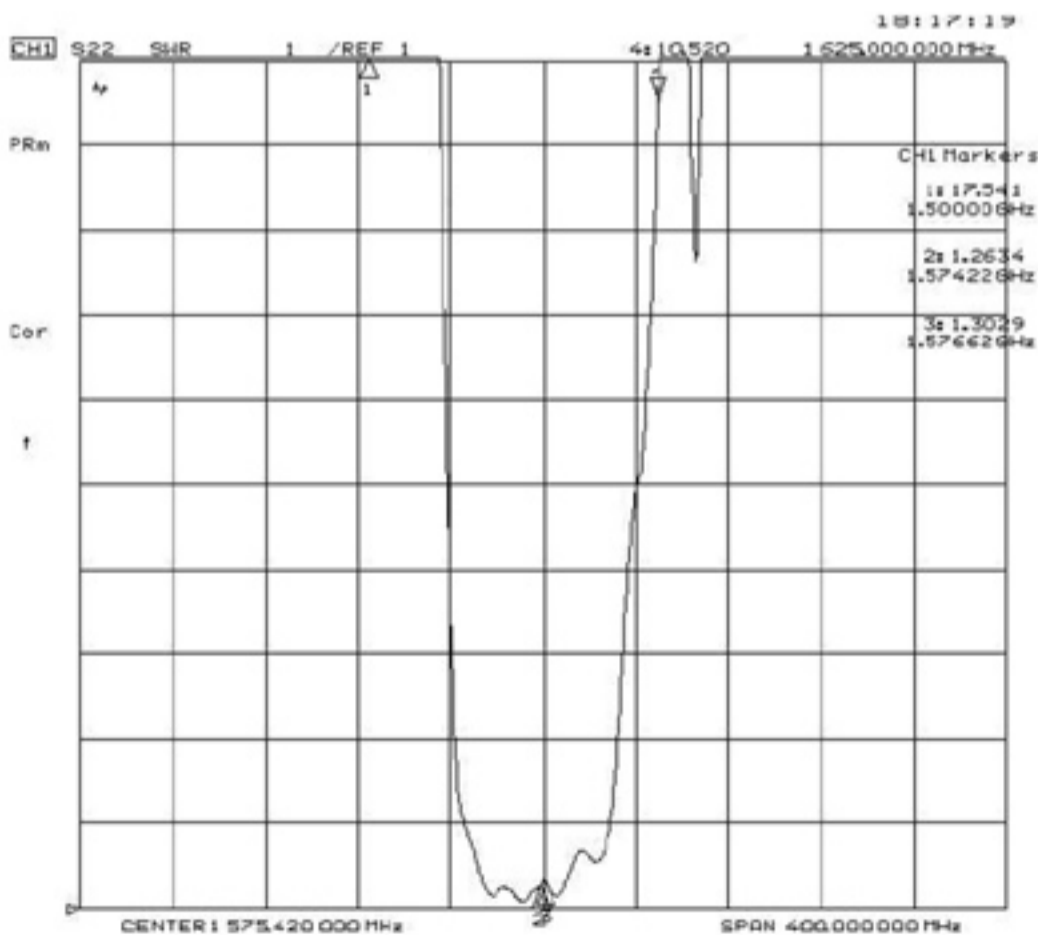


E. REFLECTIONS FUNCTIONS:

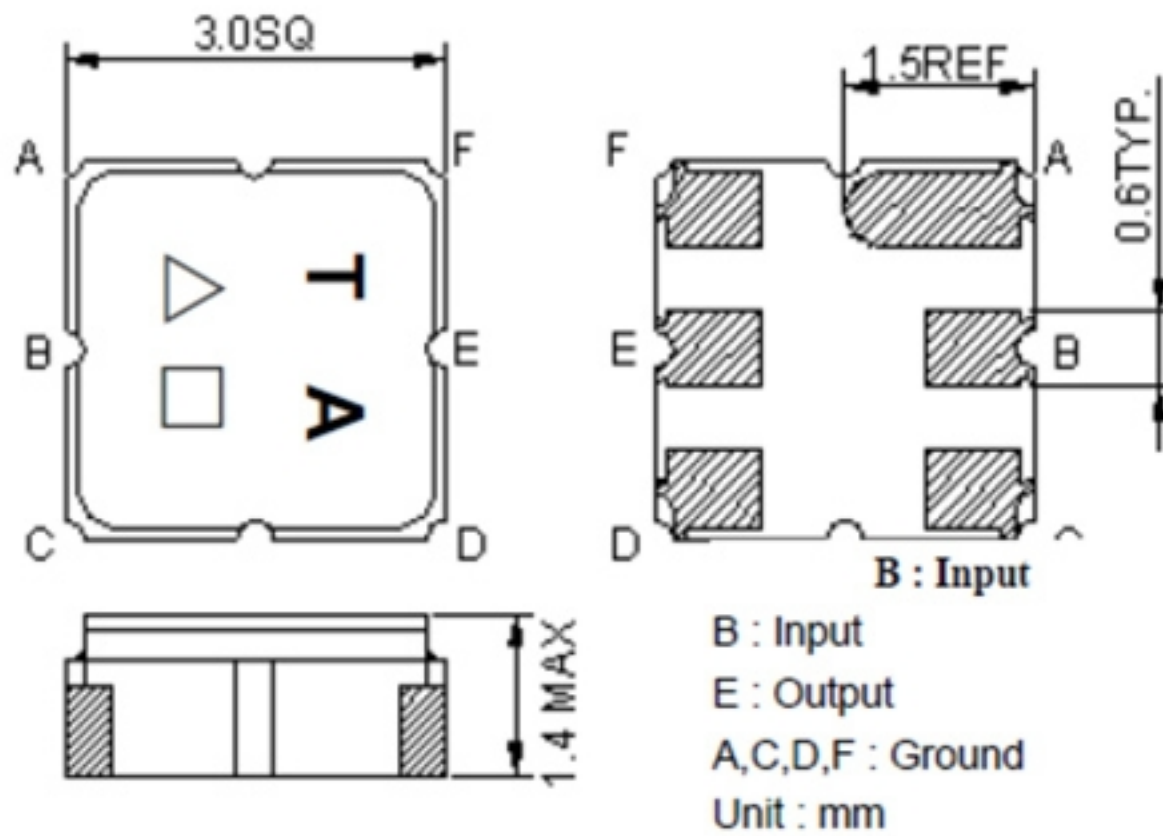
S11 VSWR



S22 VSWR



F. OUTLINE DRAWING :



Marking name : TA

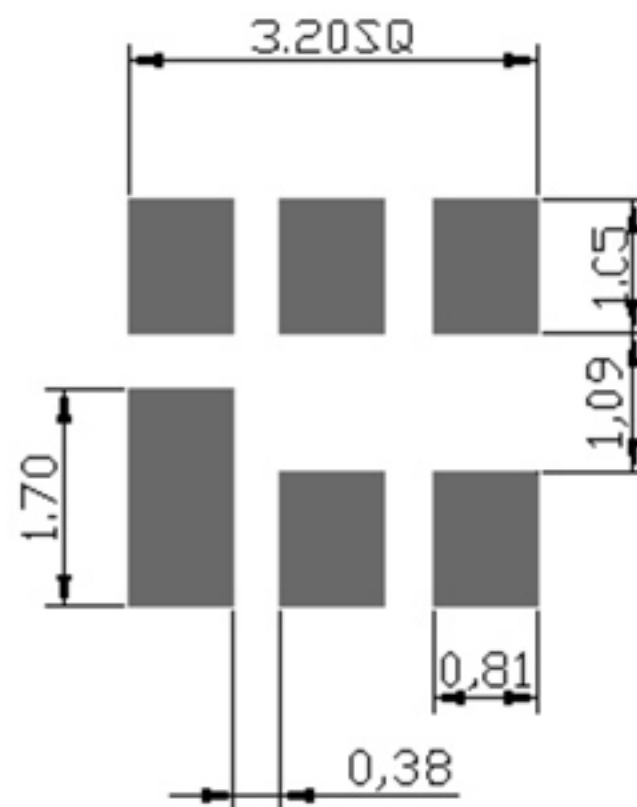
△ : year code(2011→1, 2019→9.)

□ : Date code ((W01→A,...W26→Z,...W52→z))

Date Code Table:

WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45	WK46	WK47	WK48	WK49	WK50	WK51	WK52
n	o	p	q	r	s	t	u	v	w	x	y	z

G. PCB FOOTPRINT :



I. 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.

