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SAW Filter 1575.42 MHz for GPS

MODEL NO.: 2016

REV. NO.:3

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

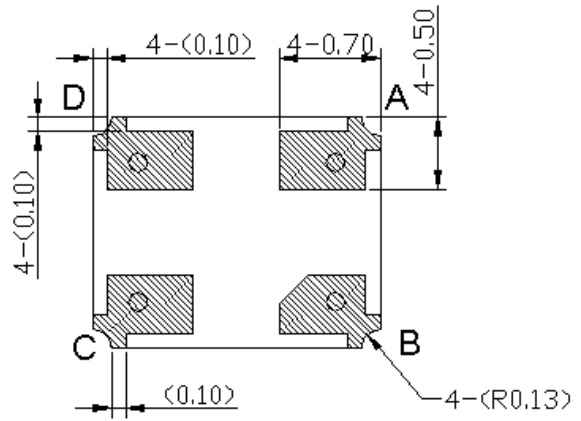
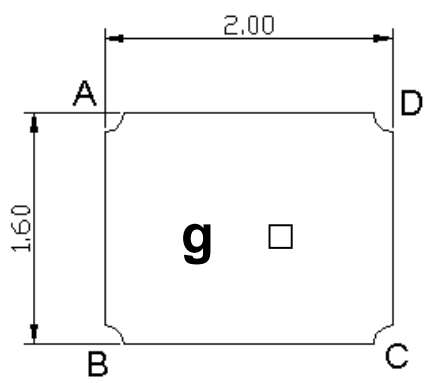
RoHS Compliant
Lead free
Lead-free soldering

B. ELECTRICAL CHARACTERISTICS:

Item	Min.	Typ.	Max.
Center frequency Fc (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. OUTLINE DRAWING:

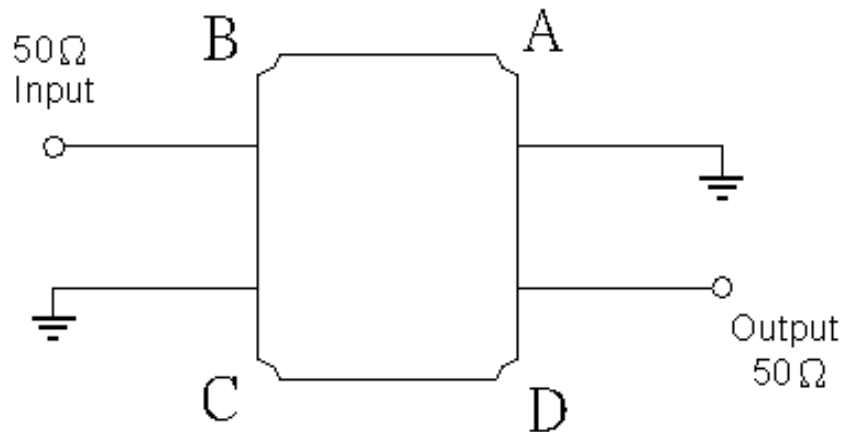


#B : Input
 #D : Output
 #A,C : Ground
 Unit : mm

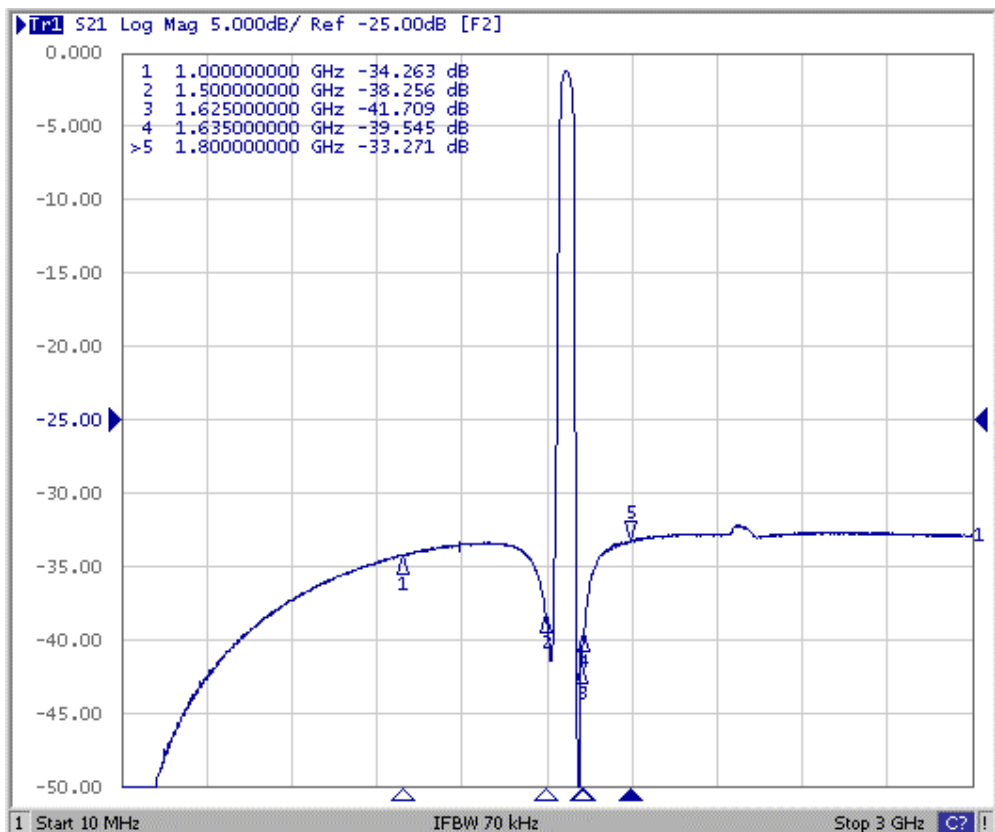
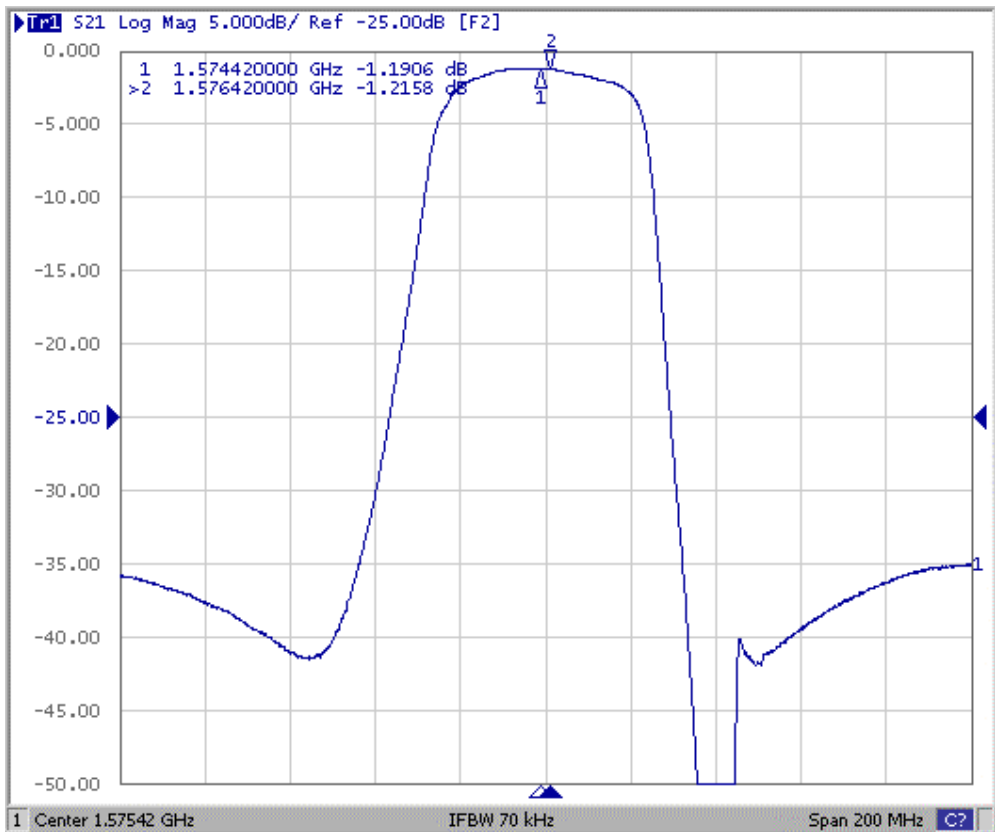
: Year/Month Code (Follow the table)

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

D. MEASUREMENT CIRCUIT:

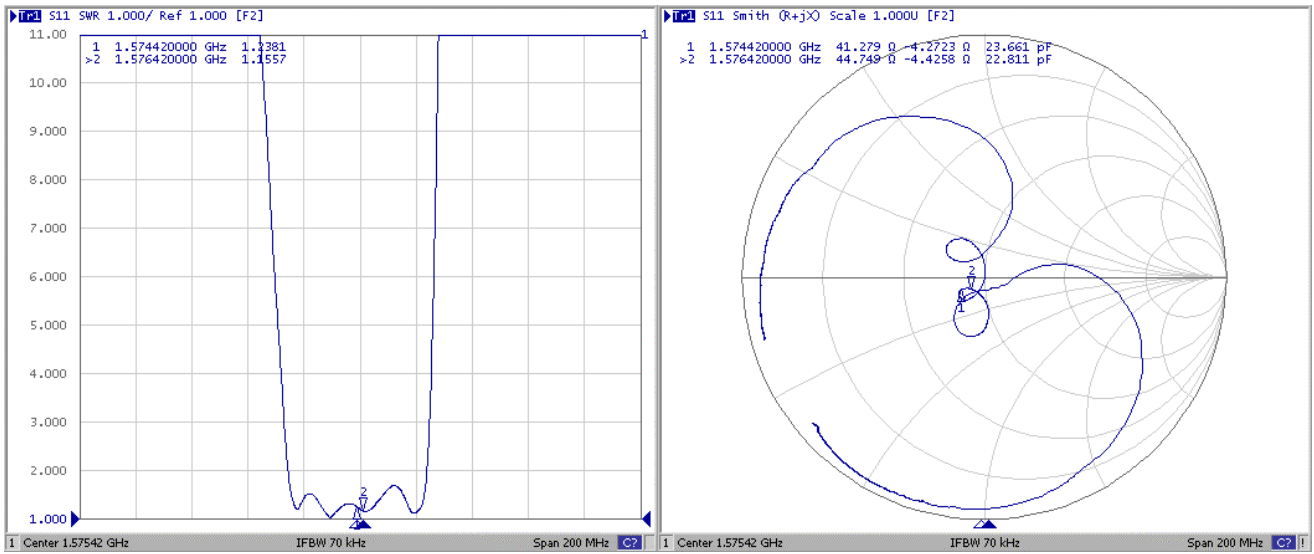


E. Frequency Characteristics : Transfer function

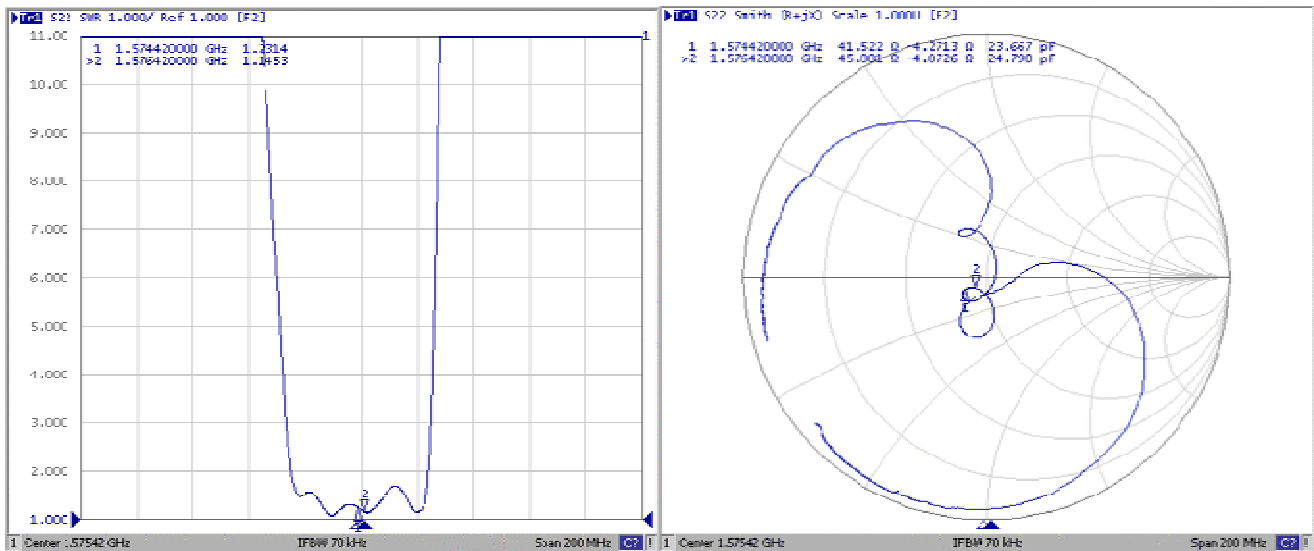


Reflections Functions :

S11 VSWR



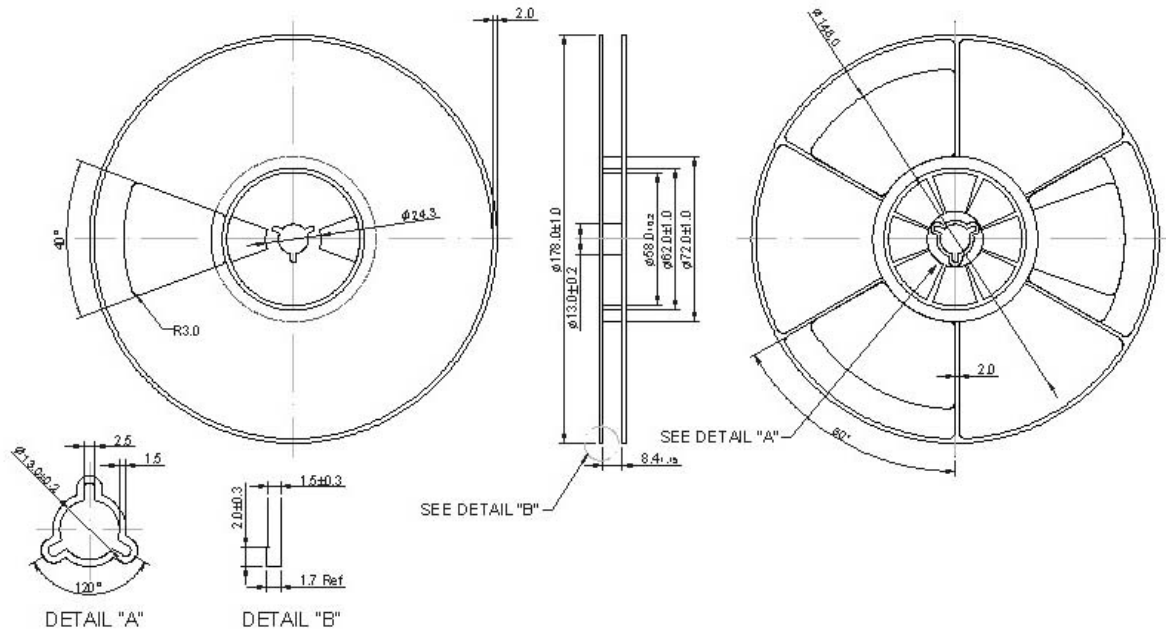
S22 VSWR



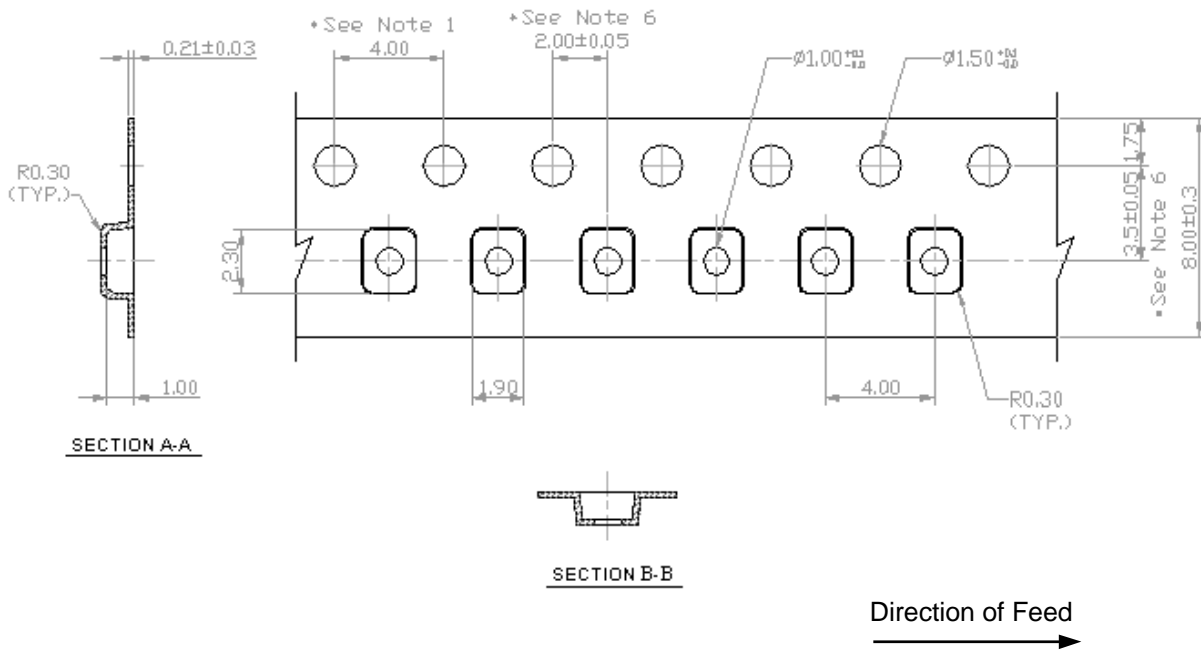
F. PACKING:

1. REEL DIMENSION

(Reel Count : 7"=2000 typ. ; 13"=10000 typ.)



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

