

SAW Filter 1575.42 MHz for GPS

MODEL NO.: DSF1575.42-0587A

REV. NO.:1

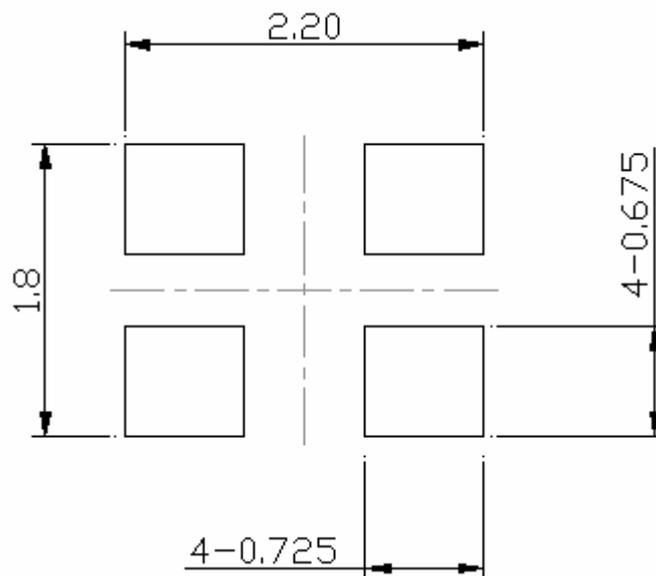
A. MAXIMUM RATING:

1. Input Power Level: 10 dB_m
2. DC voltage: 7.5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +95°C

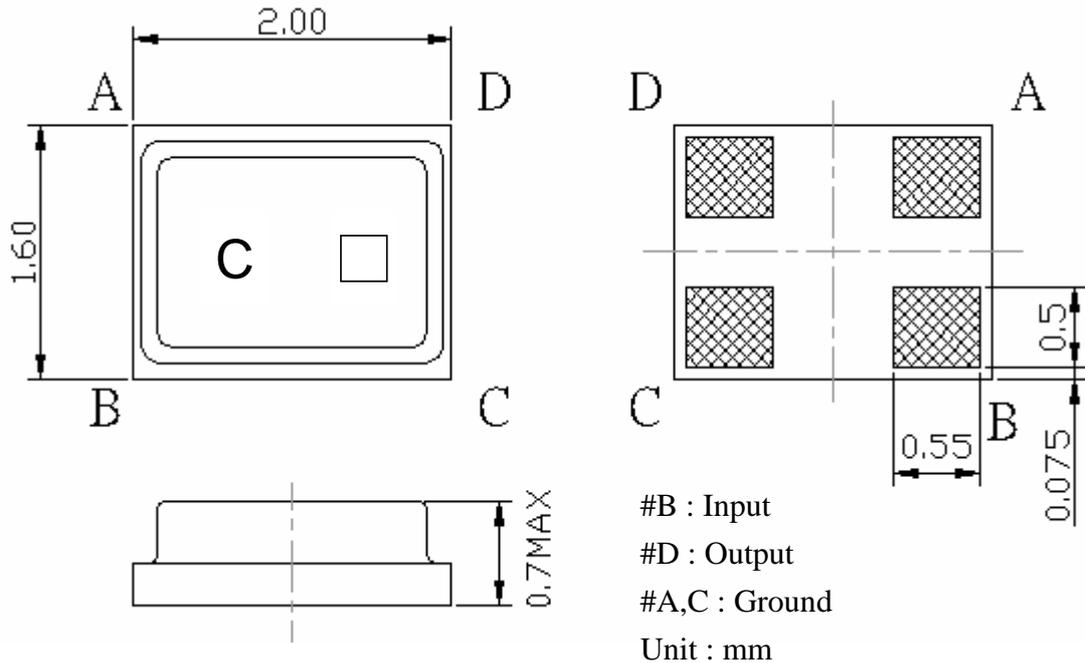
B. ELECTRICAL CHARACTERISTICS:

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
Attenuation (Reference level from 0 dB)				
D.C. ~ 1000 MHz	(dB)	20	23	-
1500 MHz	(dB)	35	48	-
1625 ~ 1635 MHz	(dB)	30	48	-
1800 ~ 3000 MHz	(dB)	25	28	-
VSWR (1574.42~1576.42 MHz)		-	1.2	1.8
Source impedance	Z _s (Ω)	-	50	-
Load impedance	Z _L (Ω)	-	50	-

C. PCB Footprint:



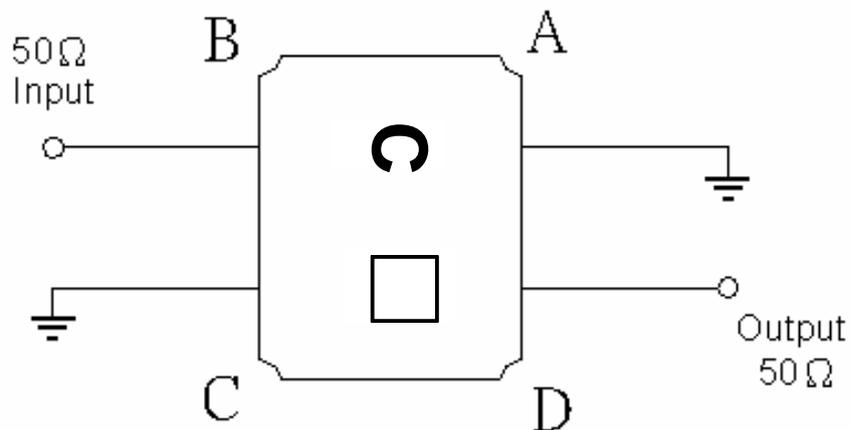
D. OUTLINE DRAWING:



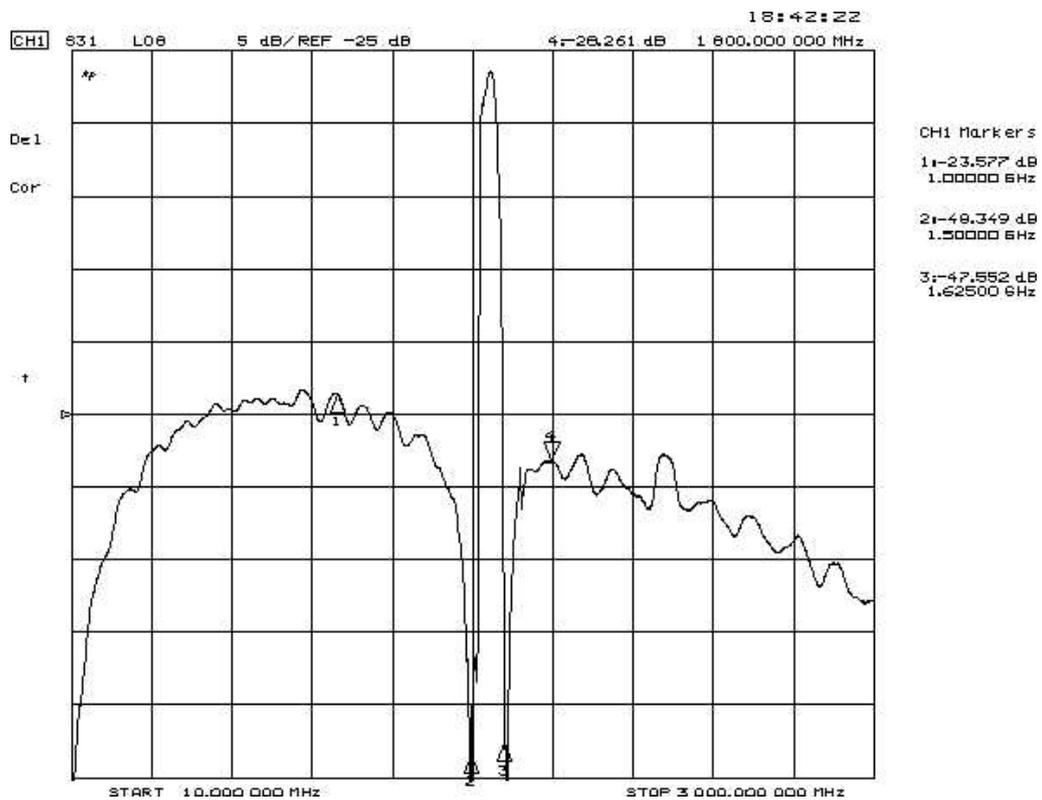
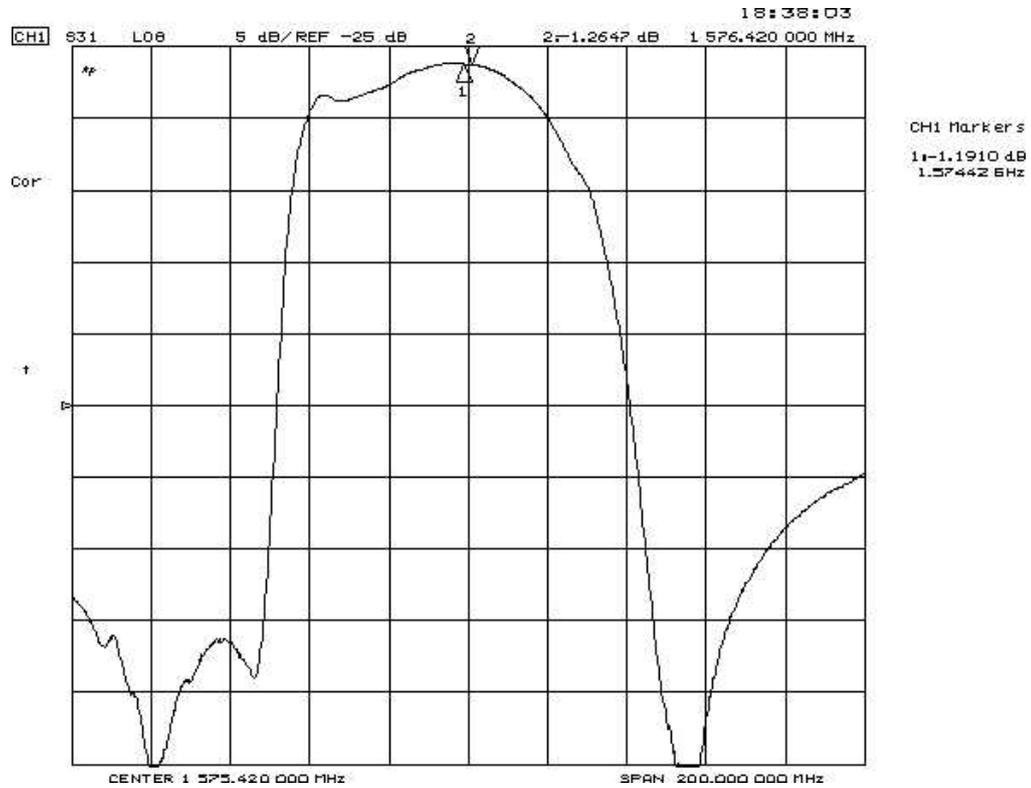
□ : Year/Month Code (Follow the table)

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

E. MEASUREMENT CIRCUIT:

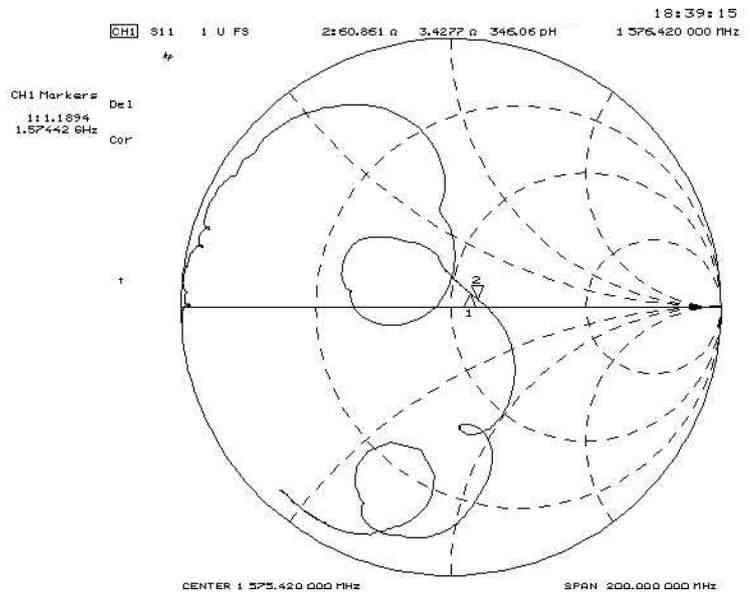
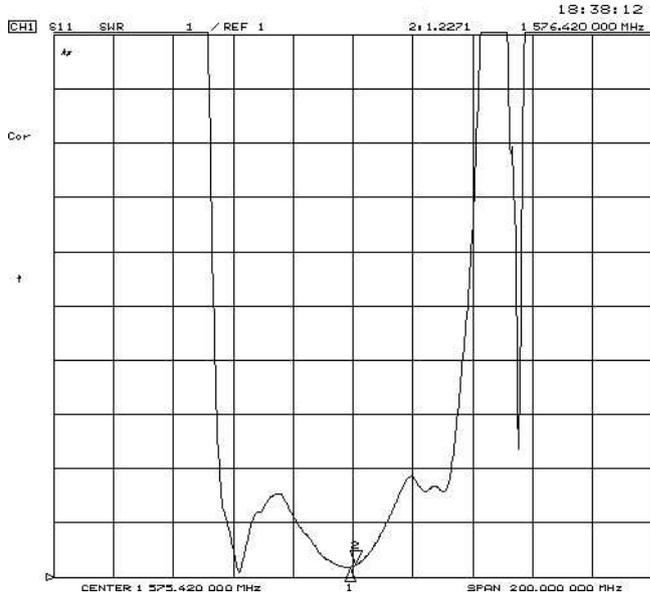


F. Frequency Characteristics : Transfer function

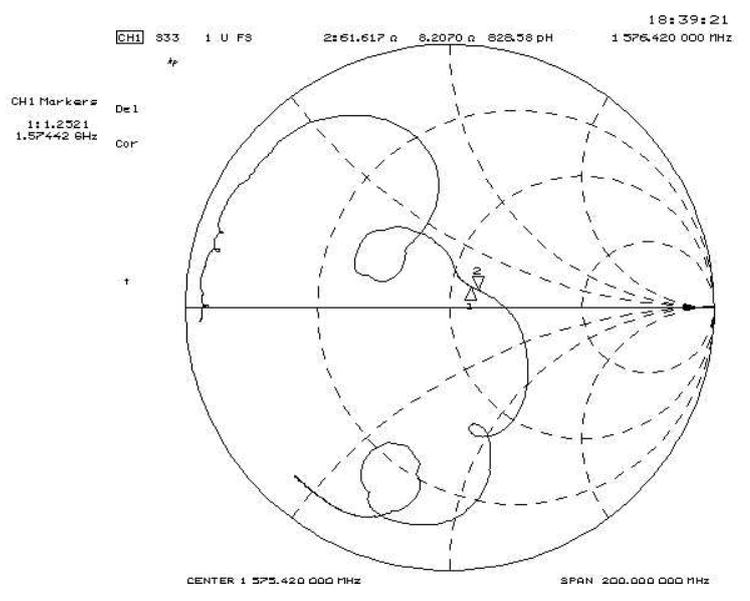
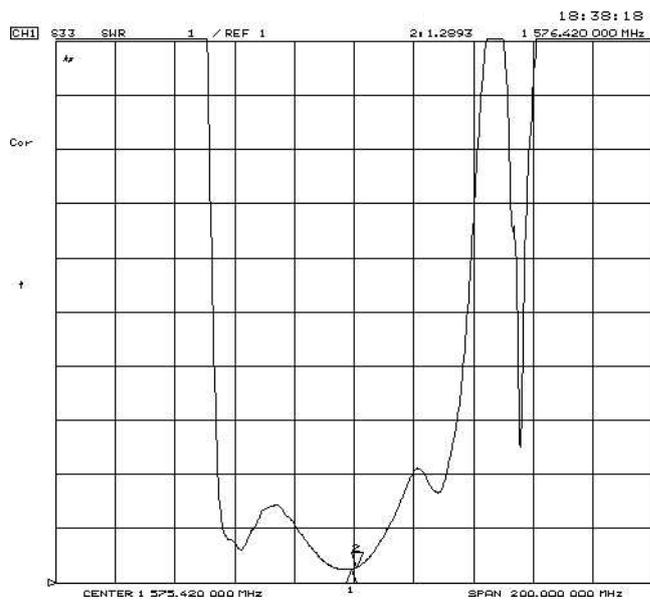


Reflections Functions :

S11 VSWR



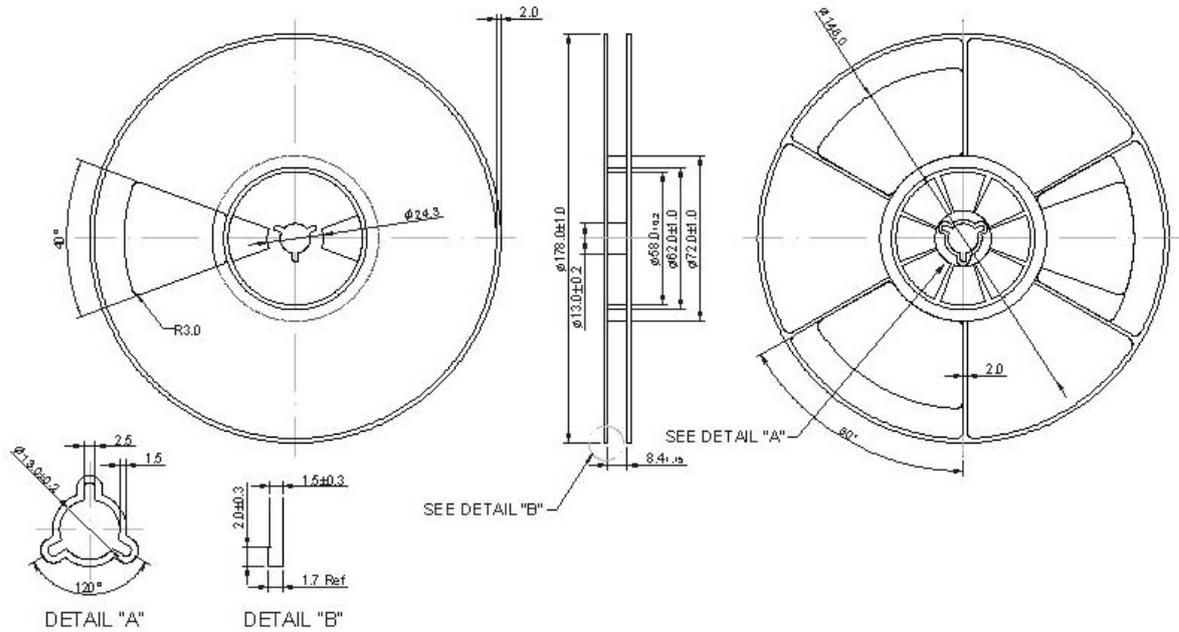
S22 VSWR



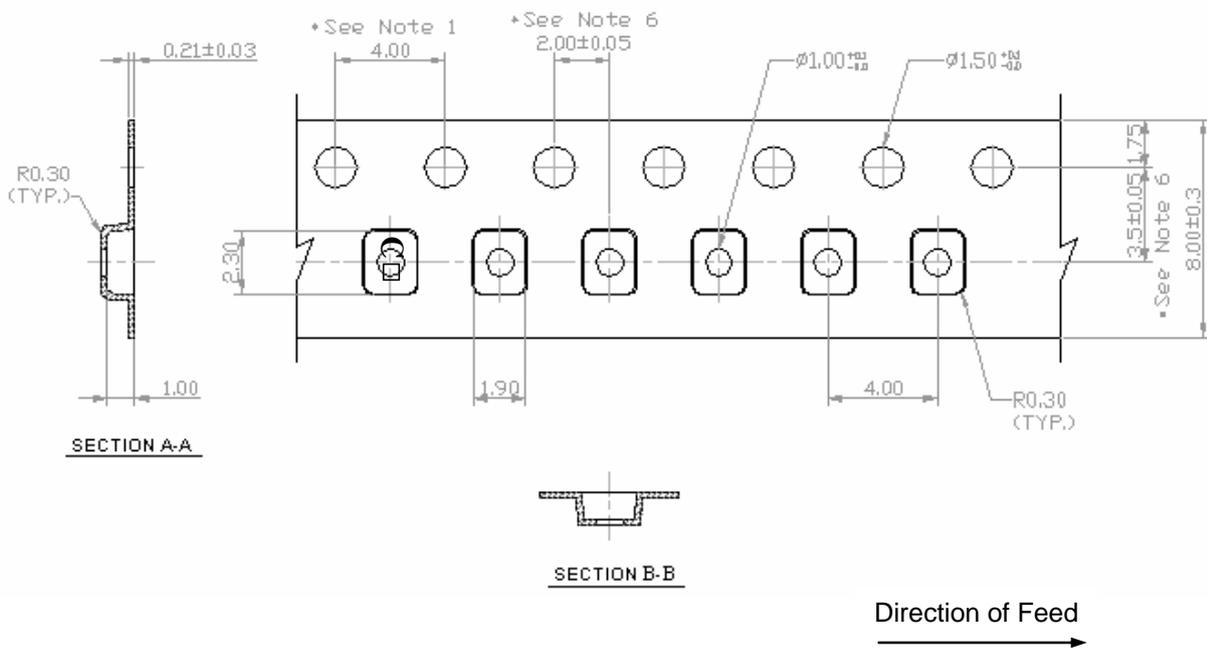
G. PACKING:

1. REEL DIMENSION

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



2. TAPE DIMENSION



H. RECOMMENDED REFLOW PROFILE :

