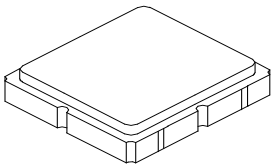
RFMi
BRAND OF AKOUSTIS

RoHS compliant

SF2702E

1505 MHz SAW Filter



SM3030-6

MAXIMUM RATING:

1.Input Power Level: 10 dB_m

2.DC voltage: 3 V

3.Operating Temperature: : -40°C to +85°C

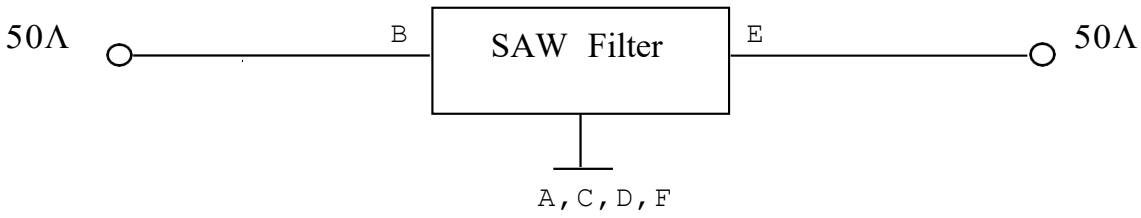
4.Storage Temperature: -40°C to +85°C

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency	MHz	-	1505	-
Insertion loss (1492 ~1518 MHz)	dB	-	1.6	3.0
Amplitude ripple (1492 ~1518 MHz)	dB	-	0.4	1.6
VSWR (1492 ~1518 MHz)	-	-	1.5	2.2
Attenuation (Reference level from 0 dB)				
10 ~ 1430 MHz	dB	30	35	-
1430 ~ 1460 MHz	dB	15	35	-
1550 ~ 1560 MHz	dB	30	50	-
1560 ~ 2000 MHz	dB	33	40	
2000 ~ 3000 MHz	dB	33	35	-
Temperature Coefficient of Frequency	ppm/k	-	-36	-

MEASUREMENT CIRCUIT:

HP Network analyzer

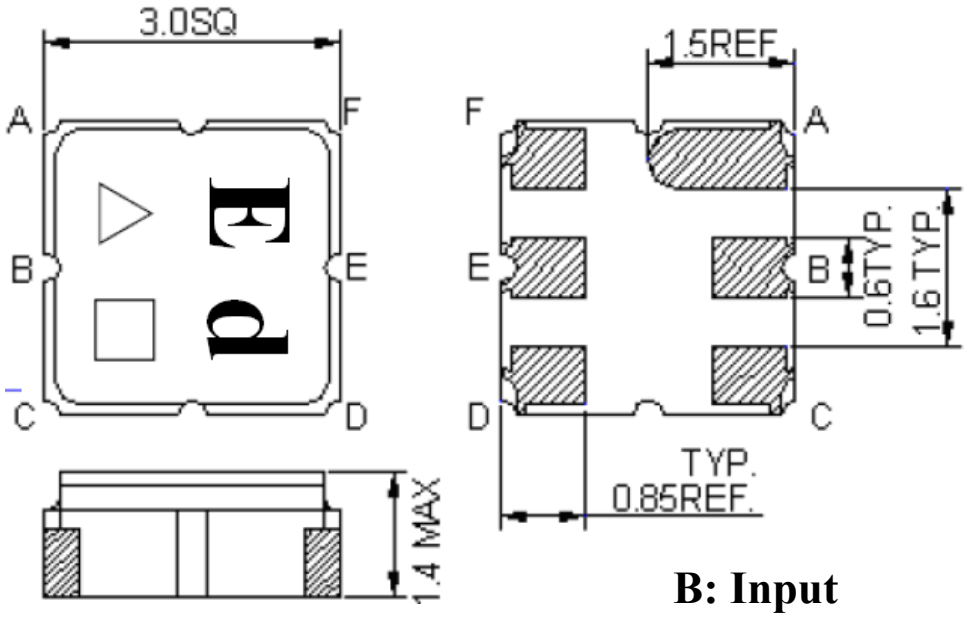


CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

NOTES:

1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

OUTLINE DRAWING:



△ : Year Code (2009->9, 2010->0,..., 2018->8)

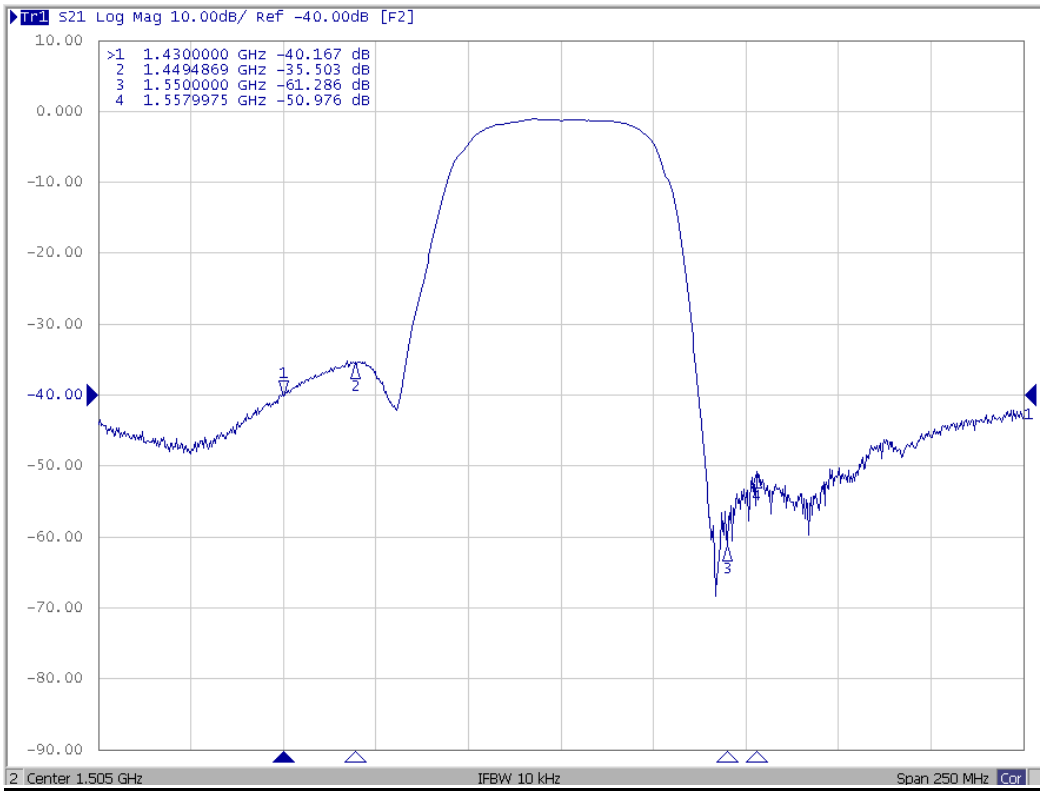
□ : Date Code (Follow the table from planner each year)

B: Input
E: Output
A, C, D, F: Ground
Unit: mm

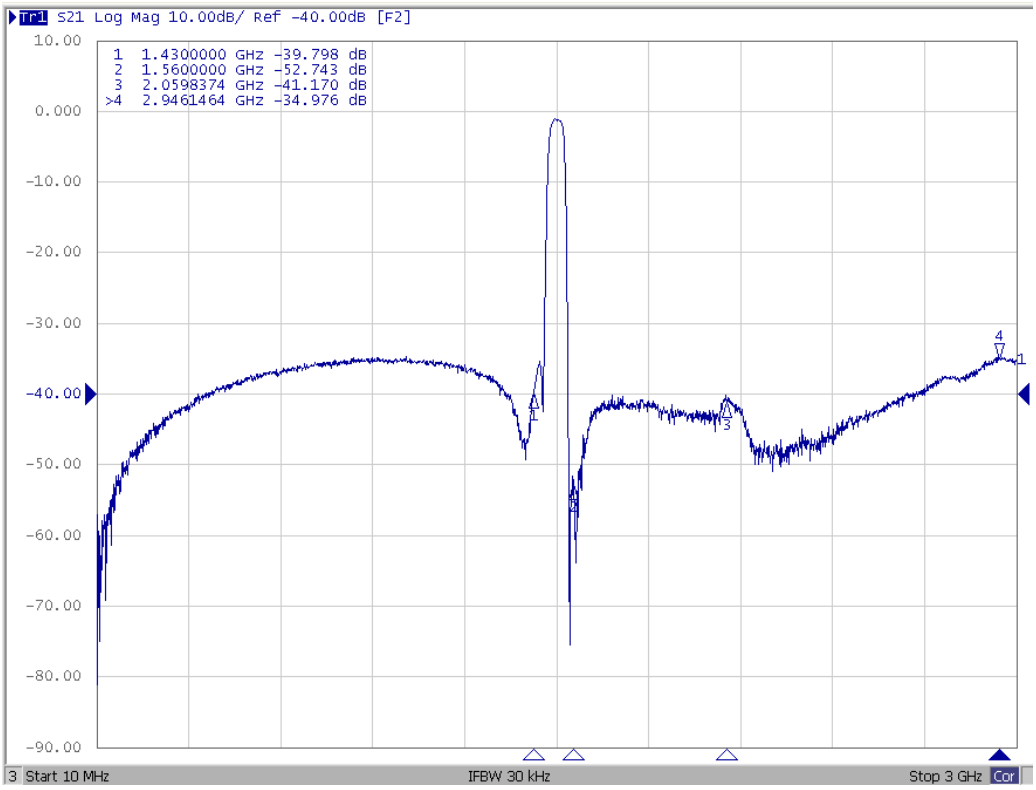
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

Frequency Characteristics :

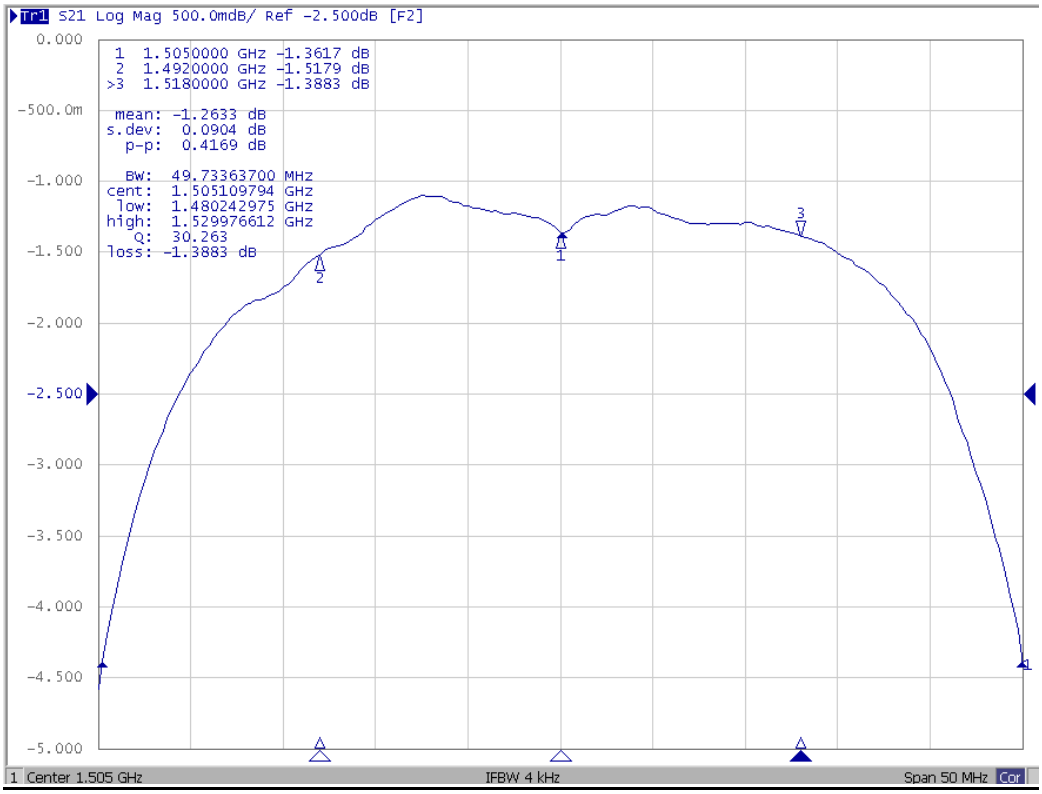
Span 250 MHz



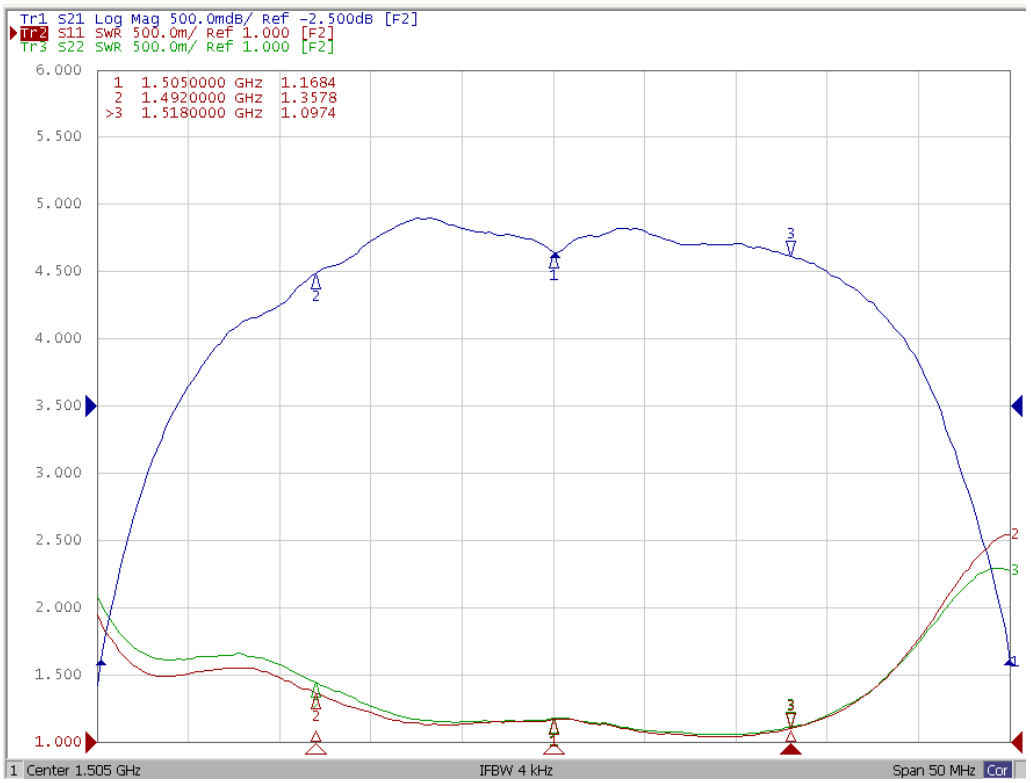
Span 3000 MHz



Span 50 MHz

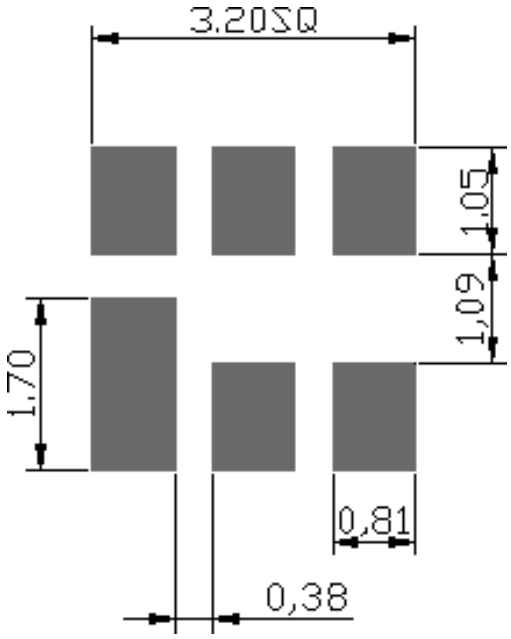


VWSR (Span 100)



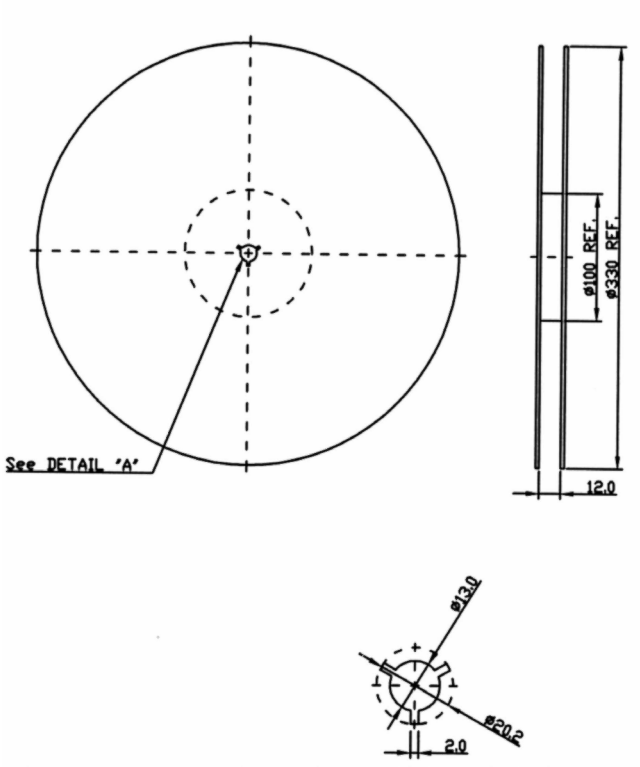
PCB FOOTPRINT:

Reel Count:
7" = 1000
13" = 3000

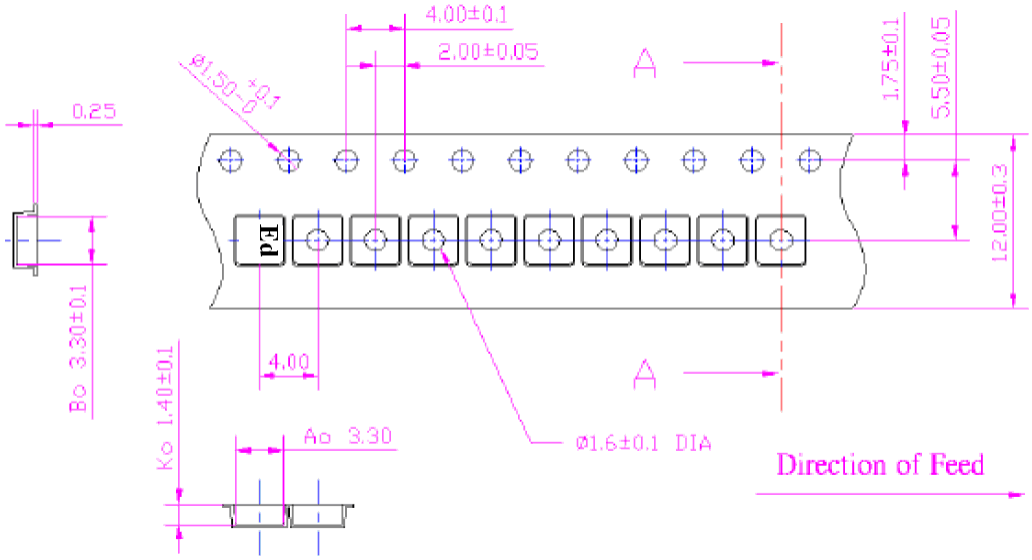


PACKING:

REEL DIMENSION



2. TAPE DIMENSION



RECOMMENDED REFLOW PROFILE :

1. Preheating shall be fixed at 150~180℃ for 60~90 seconds.
2. Ascending time to preheating temperature 150℃ shall be 30 seconds min.
3. Heating shall be fixed at 220℃ for 50~80 seconds and at 260℃+0/-5℃ peak (20~40sec).
4. Time: 2 times.