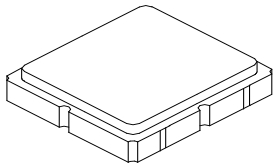
RFMi
BRAND OF AKOUSTIS

Preliminary

RoHS compliant

SF2667E

1835 MHz SAW Filter



SM3030-6

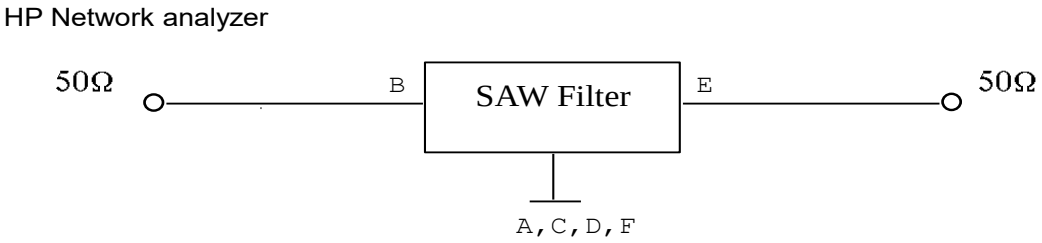
MAXIMUM RATING:

- Input Power Level: 10 dBm
- DC Voltage : 3V
- Operating Temperature: -40℃ to +85℃
- Storage Temperature: -40℃ to +85℃
- Moisture Sensitivity Level: Level 1(MSL1)

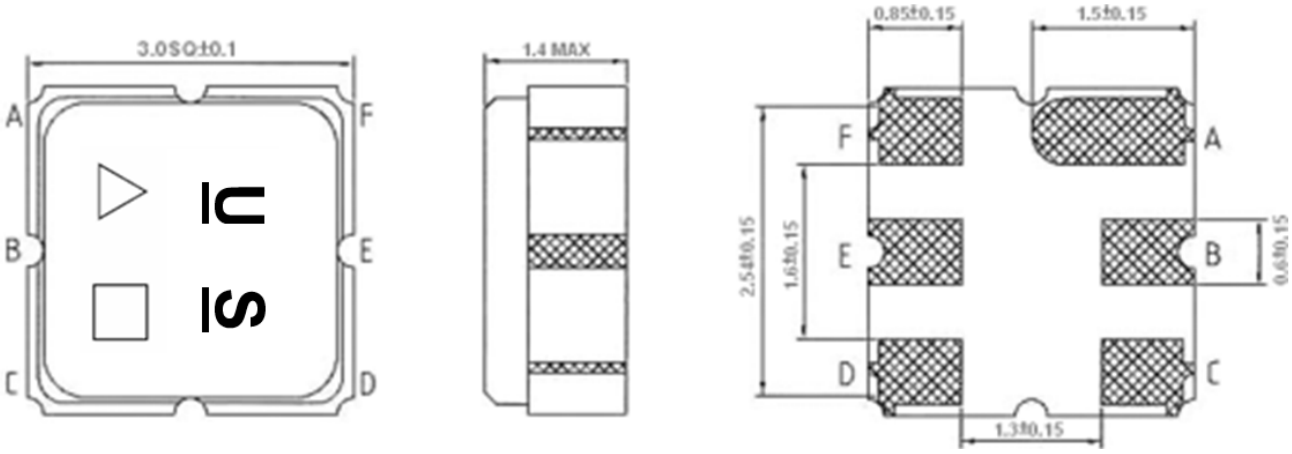
ELECTRICAL CHARACTERISTICS:

Item		Unit	Min.	Typ.	Max.
Center Frequency	**Fc**	MHz	-	1835	-
Insertion loss (1825~1845MHz)	**IL**	dB	-	1.8	3.0
Amplitude ripple (1825~1845MHz)		dB	-	0.4	2.0
VSWR (1825~1845MHz)		-	-	1.5	2.0
Attenuation (Reference level from 0 dB)					
1667 ~ 1727 MHz		dB	25	31	-
1880 ~ 1910 MHz		dB	45	55	-
1927 ~ 2027 MHz		dB	25	33	-
Temperature coefficient of frequency		ppm/k	-	-36	-
Package size		mm	SMD 3.0x3.0		

MEASUREMENT CIRCUIT :



OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

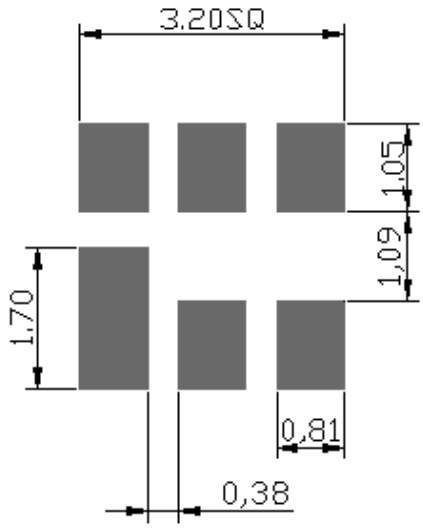
△：Year Code

□：Date Code

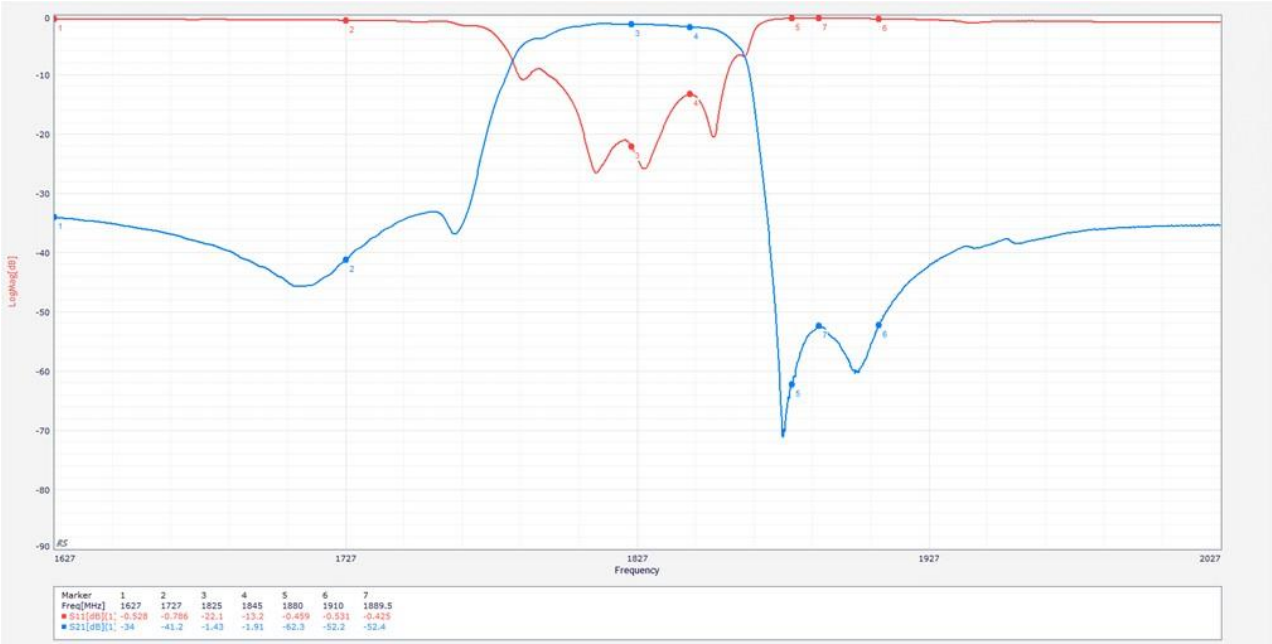
Date Code Table:

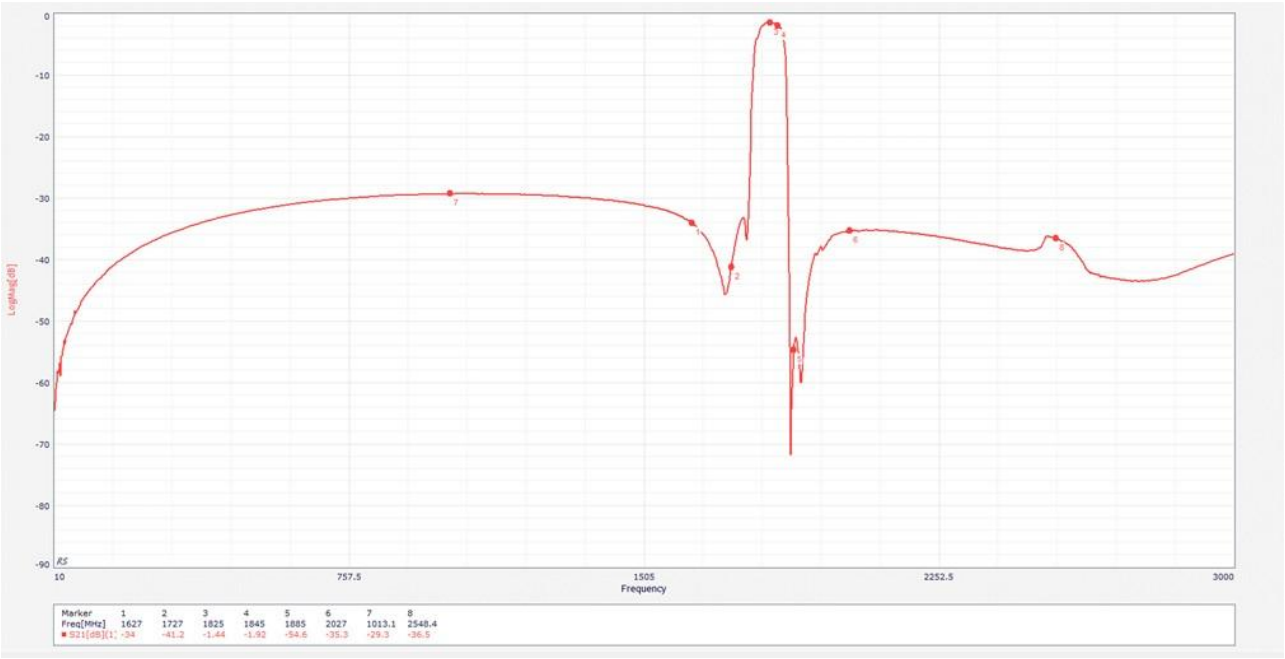
WK01	WK02	WK03	WK04	WK05	WK06	WK07	WK08	WK09	WK10	WK11	WK12	WK13
A	B	C	D	E	F	G	H	I	J	K	L	M
WK14	WK15	WK16	WK17	WK18	WK19	WK20	WK21	WK22	WK23	WK24	WK25	WK26
N	O	P	Q	R	S	T	U	V	W	X	Y	Z
WK27	WK28	WK29	WK30	WK31	WK32	WK33	WK34	WK35	WK36	WK37	WK38	WK39
a	b	c	d	e	f	g	h	i	j	k	l	m
WK40	WK41	WK42	WK43	WK44	WK45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

PCB Footprint:



Frequency Characteristics:

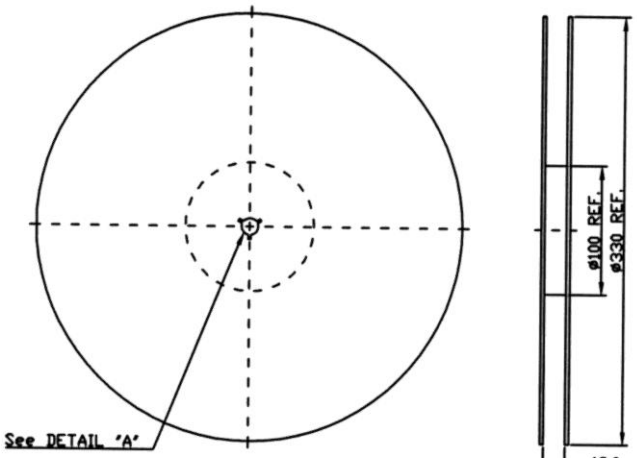


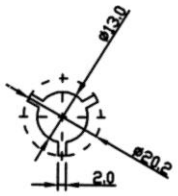


PACKING:

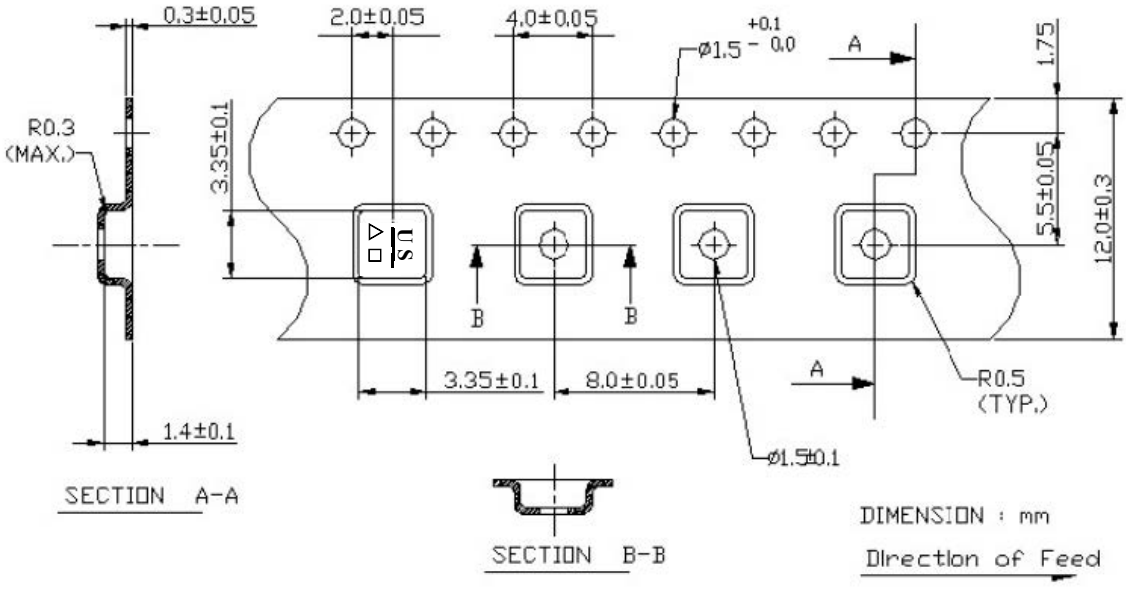
1. REEL DIMENSION

Reel Count:
7" = 500
13" = 3000



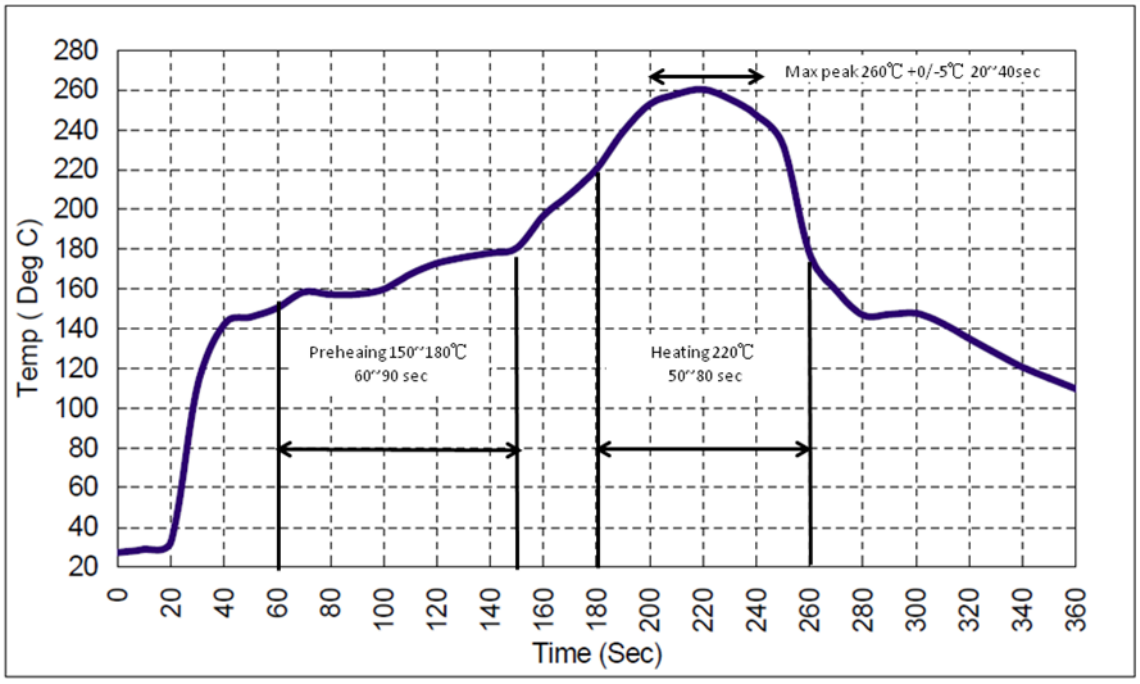


2. TAPE DIMENSION



RECOMMENDED REFLOW PROFILE:

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



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.