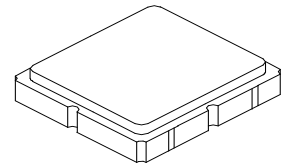


SF2673E

**860.5 MHz
SAW Filter**



SM3030-6

MAXIMUM RATING:

- Input Power Level: 18 dB_m
- DC voltage: 3 V
- Operating Temperature: -30°C to +70°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: Level 1(MSL1)

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typical	Max.
Center frequency F_c	MHz	-	860.5	-
Insertion loss 851 ~ 870 MHz IL	dB	-	2.2	3.0
Amplitude ripple 851 ~ 870 MHz	dB	-	0.6	1.3
Group delay ripple 851 ~ 870 MHz	ns	-	12	60
Attenuation (Reference level from 0 dB)				
0.000~806.000MHz	dB	27	54	-
806.000~825.000MHz	dB	37	54	-
896.000~902.000MHz	dB	25	31	-
905.825~924.825MHz	dB	27	40	-
960.650~979.650MHz	dB	37	65	-
1070.300~1089.300MHz	dB	47	65	-
1089.300~3000.000MHz	dB	24	28	-
Return loss 851 ~870 MHz	dB	9.5	13	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-
Source impedance Z_s	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

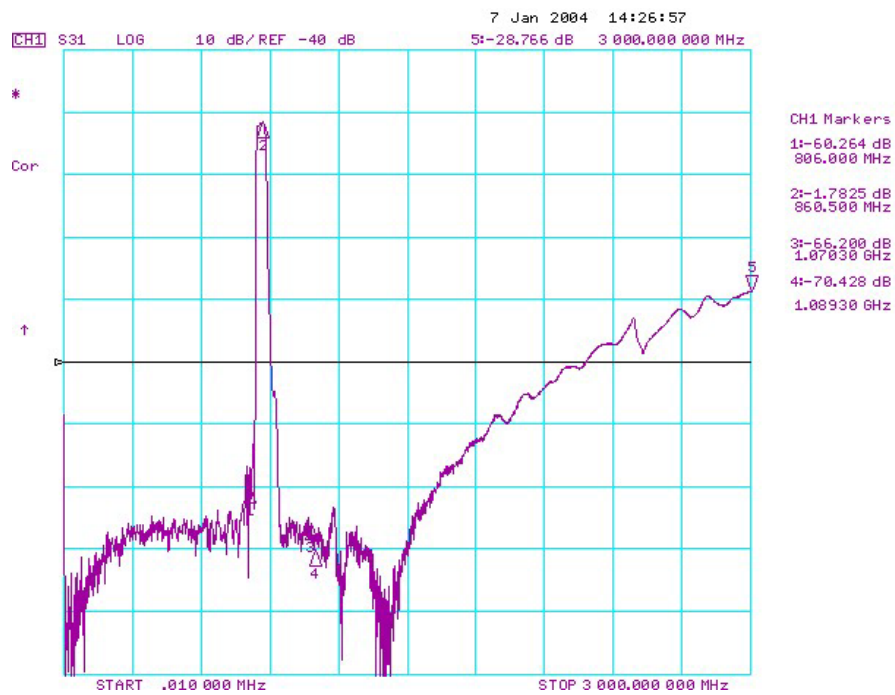
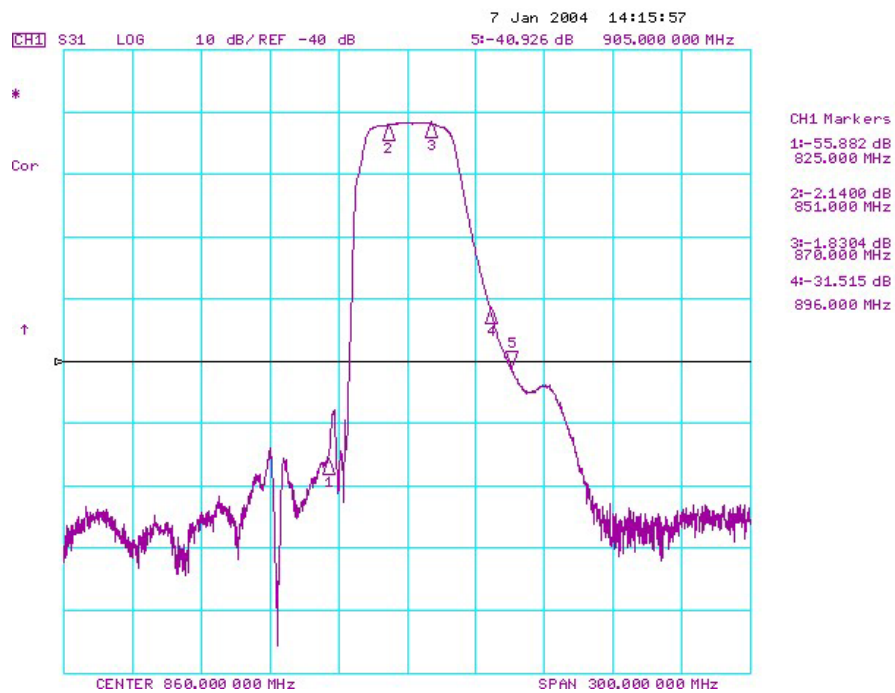
Note1. No matching network required for operation at 50 Ω



CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

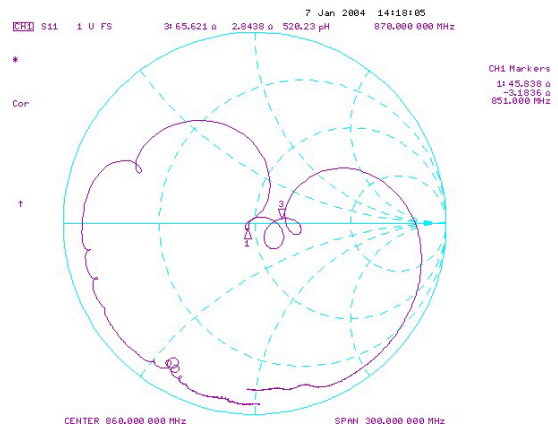
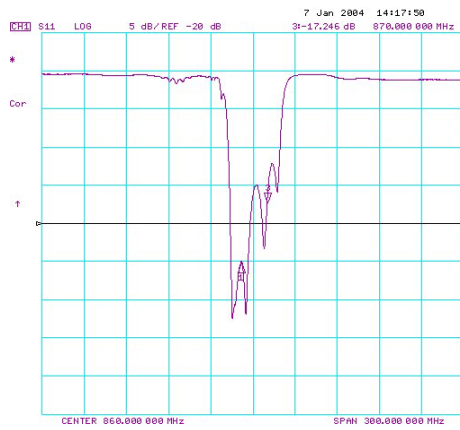
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

Frequency Characteristics :

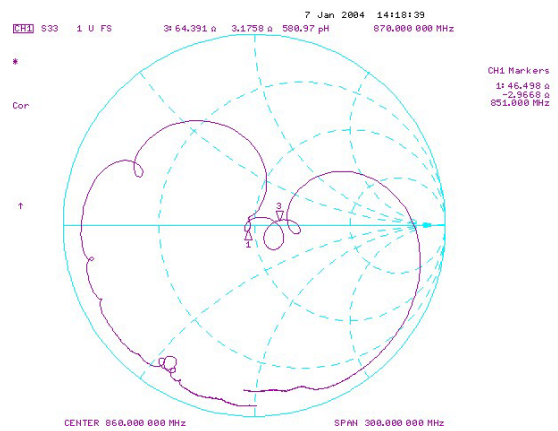
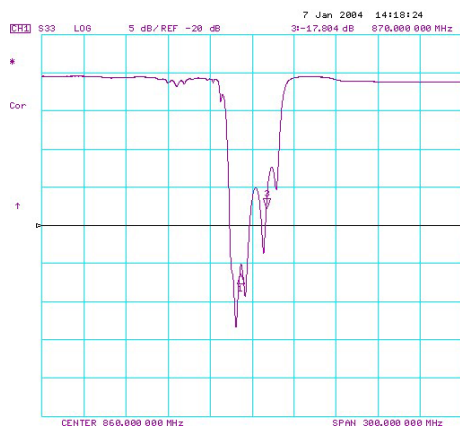


Reflections Functions :

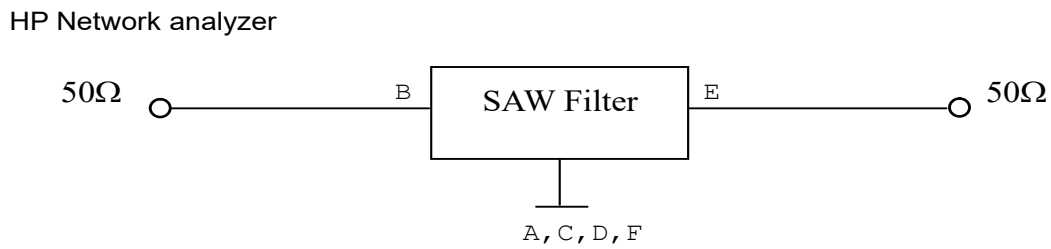
S11:



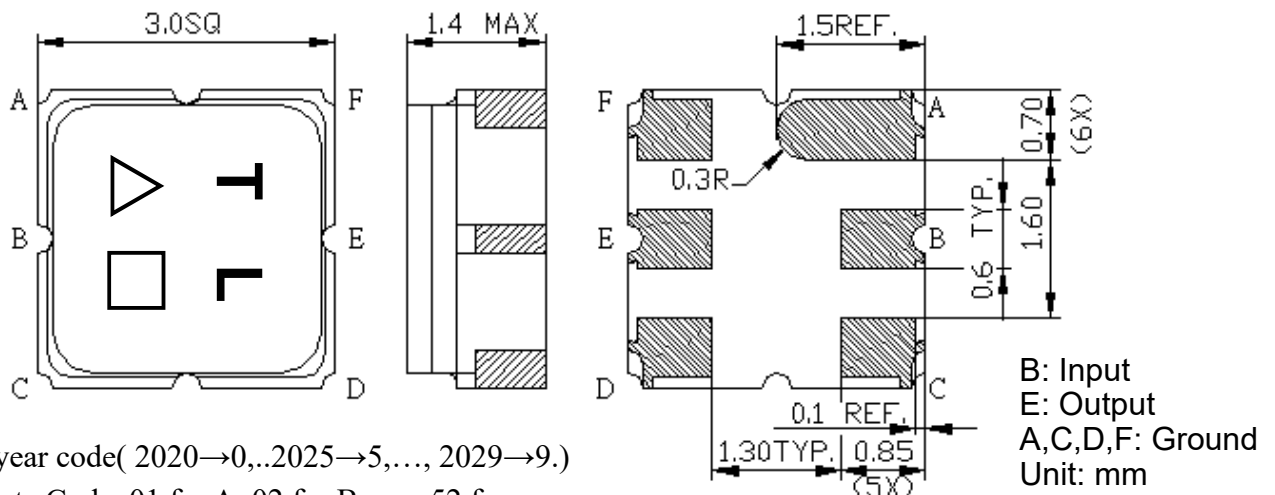
S22:



MEASUREMENT CIRCUIT:



OUTLINE DRAWING:



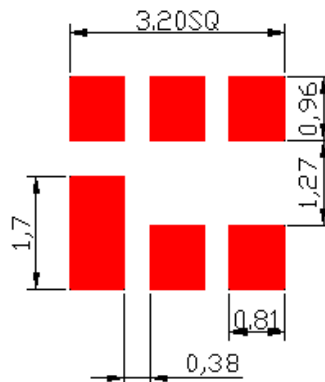
△ : year code(2020→0,..2025→5,..., 2029→9.)

□: Date Code. 01 for A, 02 for B ,,52 for z.

Date Code Table

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:



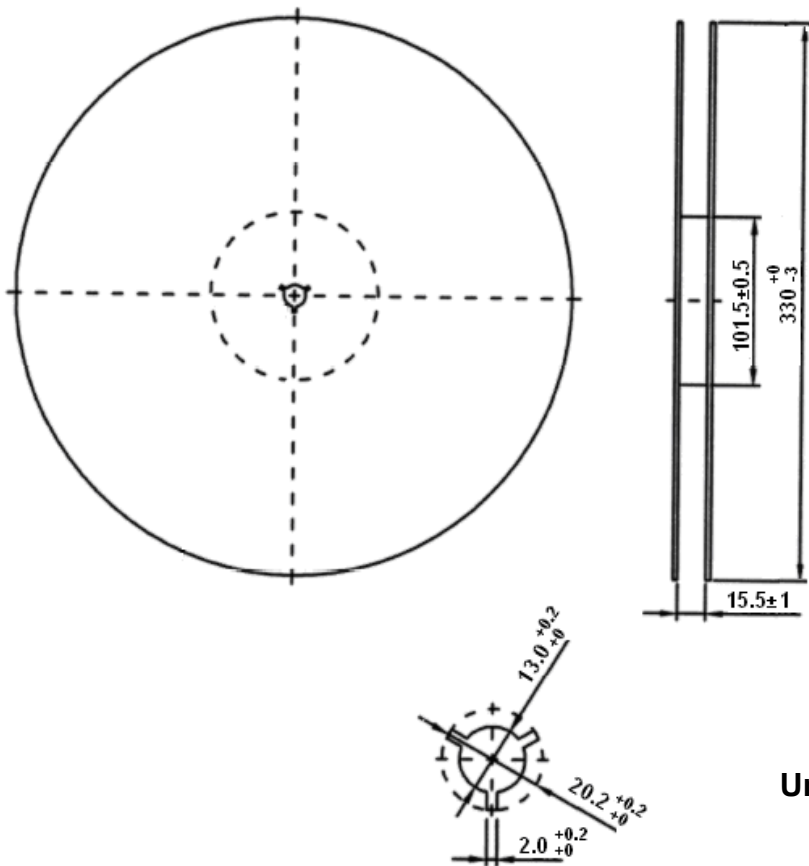
PACKING:

1. REEL DIMENSION

Reel Count:

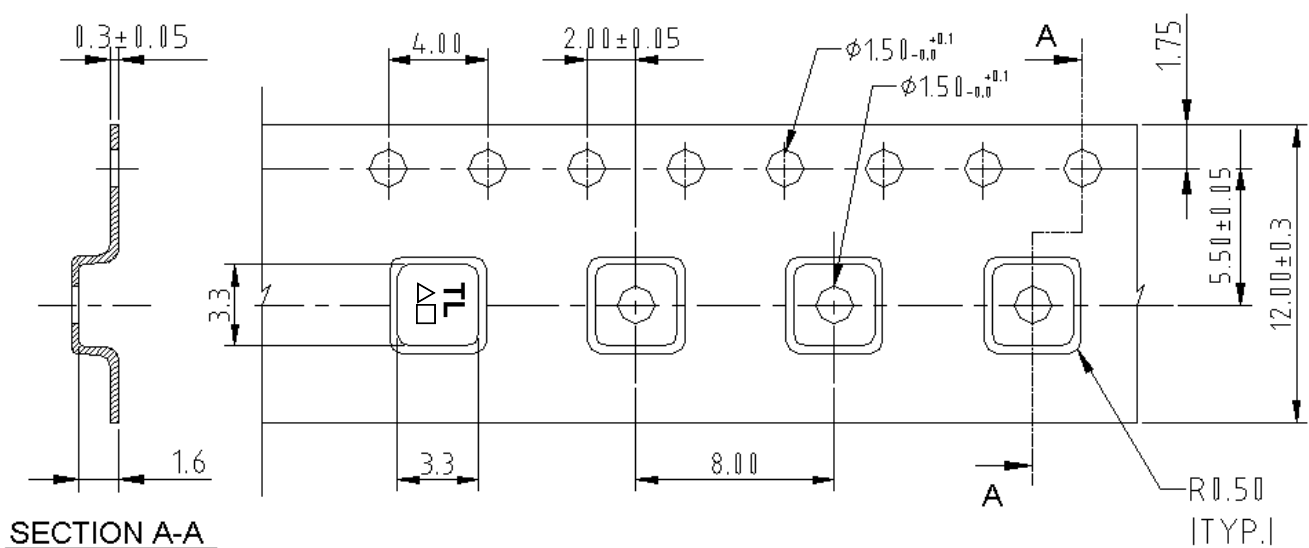
7" = 500

13" = 3000



Unit: mm

2. TAPE DIMENSION



Direction of Feed

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 260°C+0/-5°C peak (20~40sec).
4. Time: 2 times.

