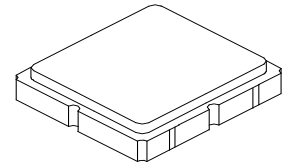


SF2617E

**780.5 MHz
SAW Filter**



SM3030-6

MAXIMUM RATING:

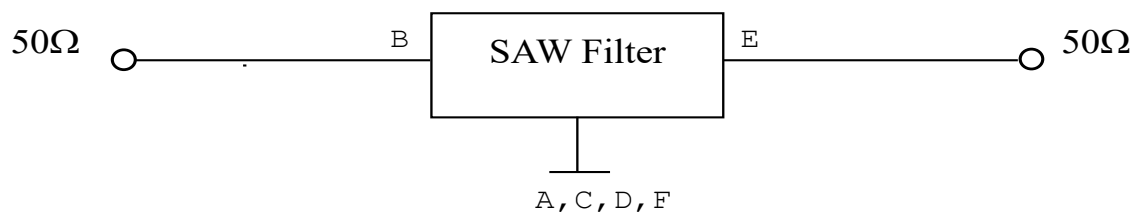
- Input Power Level: 10 dB_m
- DC voltage: 5 V
- Operating Temperature: -30°C to +85°C
- Storage Temperature: -40°C to +85°C
- Moisture Sensitivity Level: 1
- AEC-Q200 Qualified

ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency F_c	MHz	-	780.5	-
Insertion Loss (758~803 MHz) IL	dB	-	4	4.5
Amplitude ripple (758~803 MHz)	dB	-	1.3	2
Group delay ripple (758~803 MHz)	ns	-	16	35
VSWR (758~803 MHz)	-	-	1.7	2.5
Attenuation (Reference level from 0 dB)				
DC ~ 670 MHz	dB	24	28	-
670 ~ 690 MHz	dB	28	34	-
703 ~ 748 MHz	dB	2	5	-
835 ~ 900 MHz	dB	5	22	-
900 ~ 1500 MHz	dB	24	28	-
1500 ~ 3000 MHz	dB	17	32	-
Temperature coefficient of frequency	ppm/k	-	-80	-

MEASUREMENT CIRCUIT:

HP Network analyzer

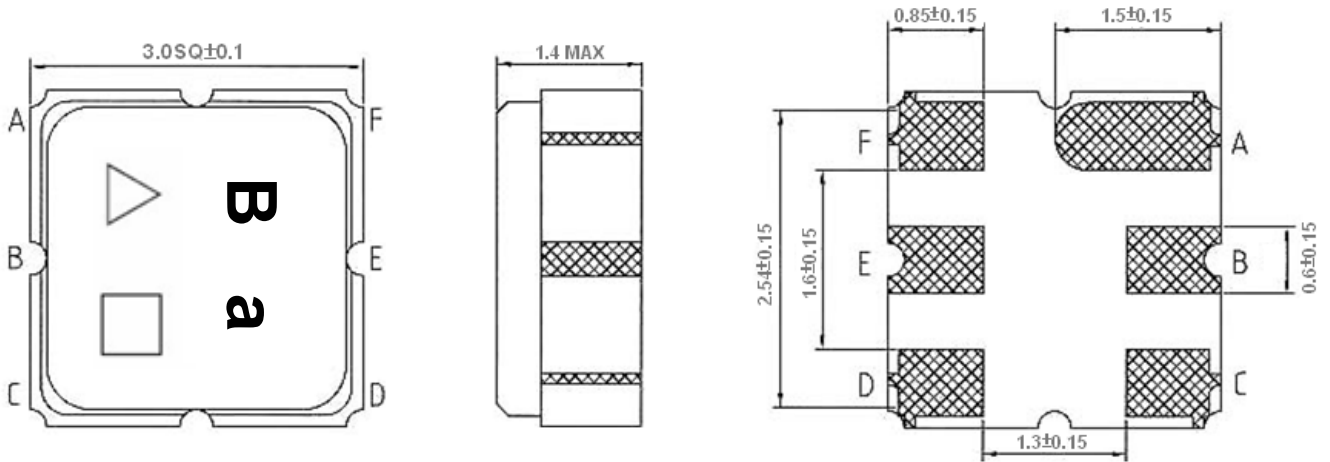




CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.

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.

OUTLINE DRAWING:



B: Input

E: Output

A, C, D, F: Ground

Unit: mm

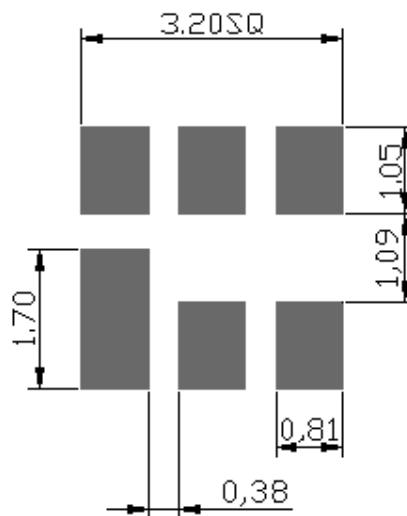
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

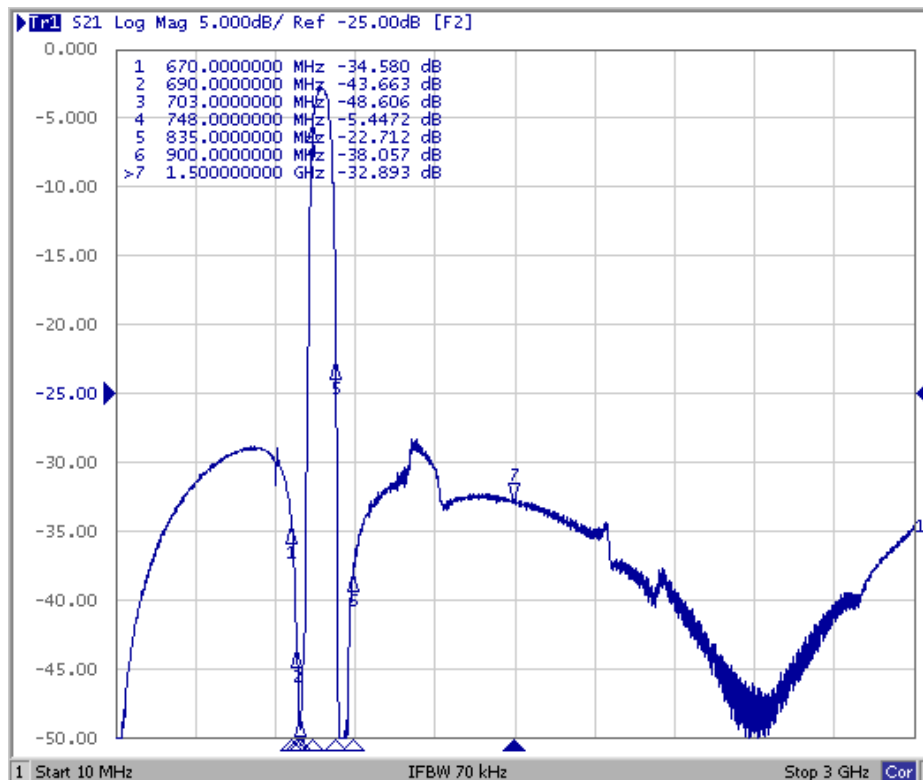
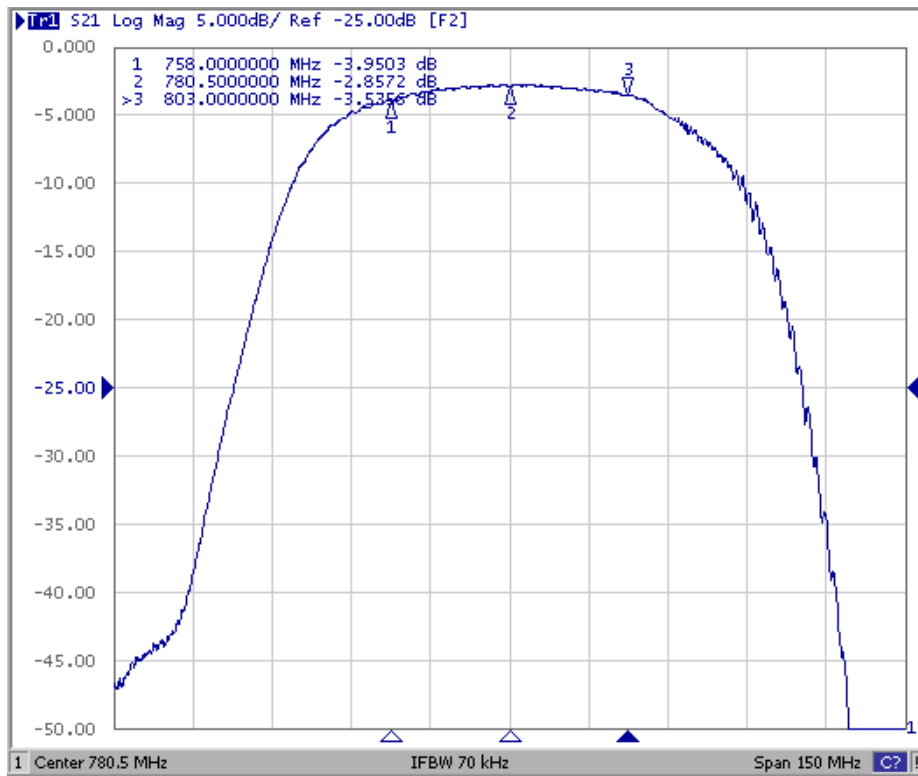
Date Code Table:

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:

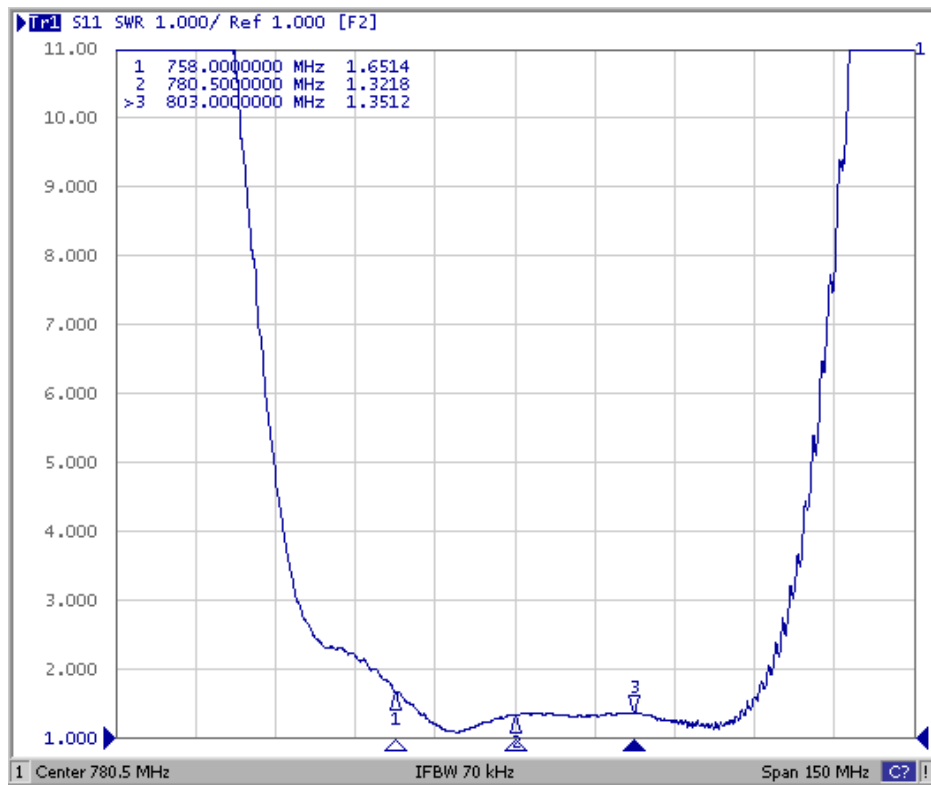


Frequency Characteristics:

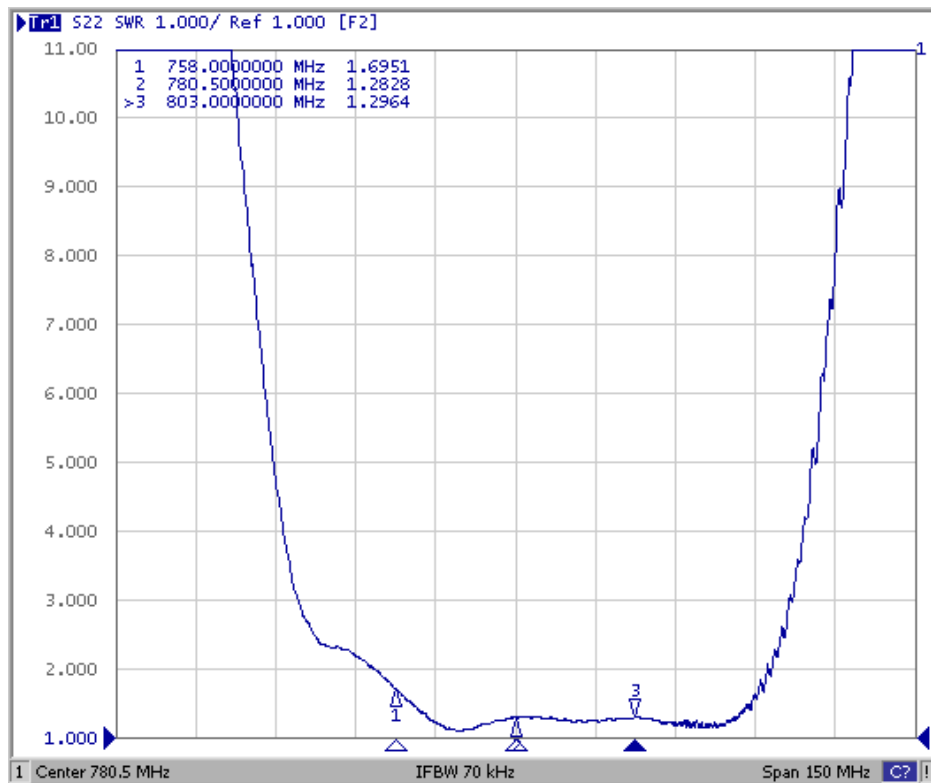


Reflection Functions:

S11

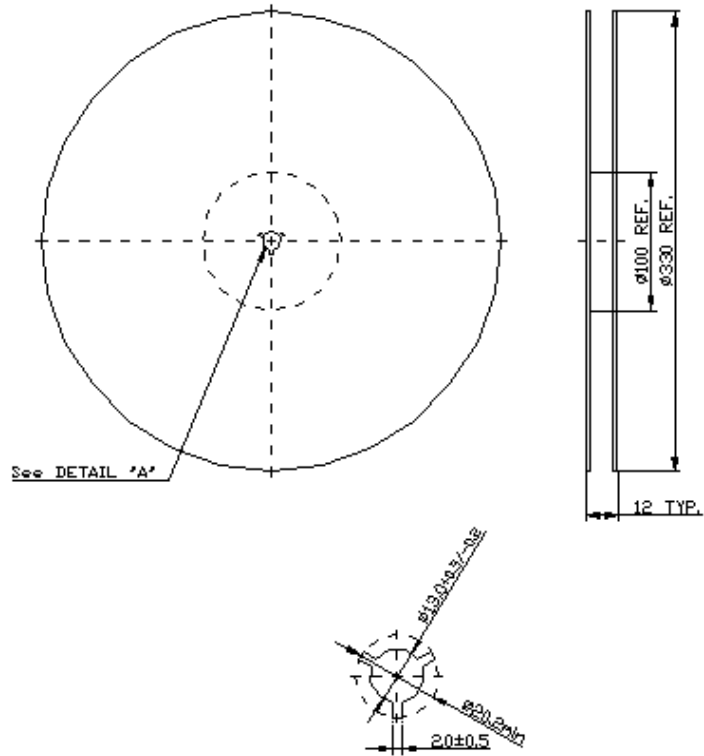


S22

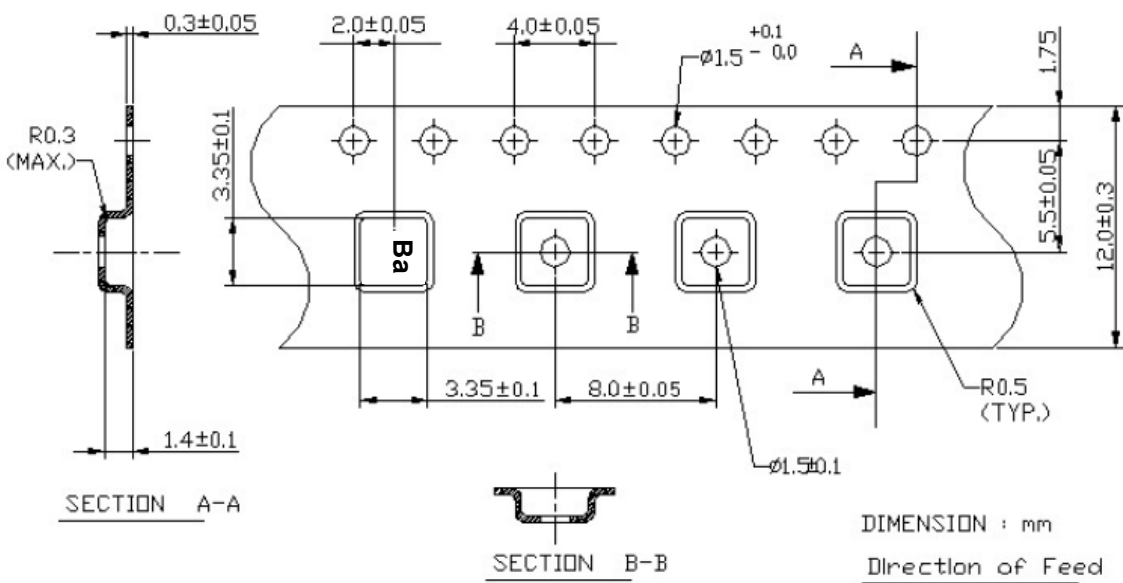


PACKING:
REEL DIMENSION

Reel Count:
7" = 500
13" = 3000



2. TAPE DIMENSION



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 (10 seconds).
4. Time: 5 times maximum.

