

SF2616E
750 MHz SAW Filter
 <b>SM3030-6</b>

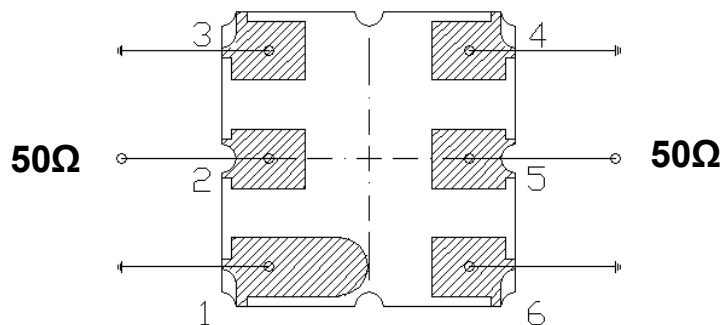
**MAXIMUM RATING:**

- Input Power Level: 10 dBm
- DC voltage: 3 V
- Operating Temperature: -10 °C to +60 °C
- Storage Temperature: -40 °C to +85 °C
- Moisture Sensitivity Level: Level 1 (MSL 1)
- AEC-Q200 Qualified

**ELECTRICAL CHARACTERISTICS:**

Item	Unit	Min.	Typ.	Max.
<b>Center Frequency</b> <span style="float: right;"><b>Fc</b></span>	MHz	-	750	-
<b>Insertion Loss</b> (732.5~767.5 MHz) <span style="float: right;"><b>IL</b></span>	dB	-	3.1	5.0
<b>Amplitude Ripple</b> (732.5~767.5 MHz)	dB	-	1.4	3.8
<b>VSWR</b> (732.5~767.5 MHz)	dB	-	2.1	2.5
<b>Attenuation</b> (Reference level from 0 dB)				
10 ~ 700 MHz	dB	40	53	-
830 ~ 1500 MHz	dB	40	47	-
<b>Temperature Coefficient of Frequency</b>	ppm/°C	-	-36	-

**MEASUREMENT CIRCUIT:**



**(2): Unbalance Port**

**(5): Unbalance Port**

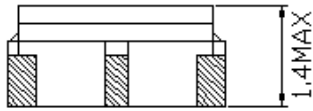
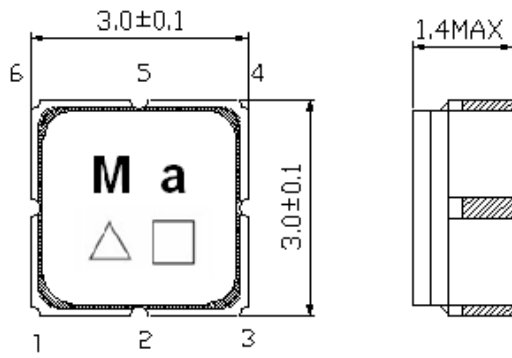
**Others: Ground**



**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

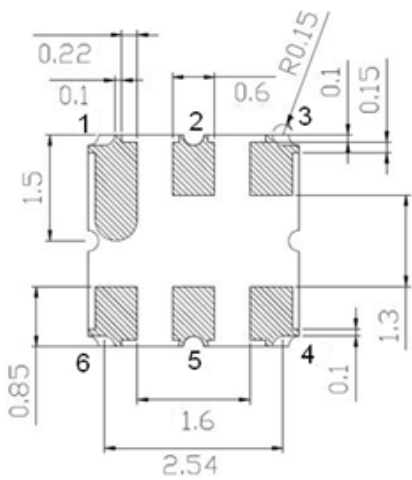
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

## OUTLINE DRAWING:



Unit : mm

Not Specified Tolerance : +/-0.15 mm



Pin No.	Symbol	Function
1	GND	Ground
2	IN	Input
3	GND	Ground
4	GND	Ground
5	OUT	Output
6	GND	Ground

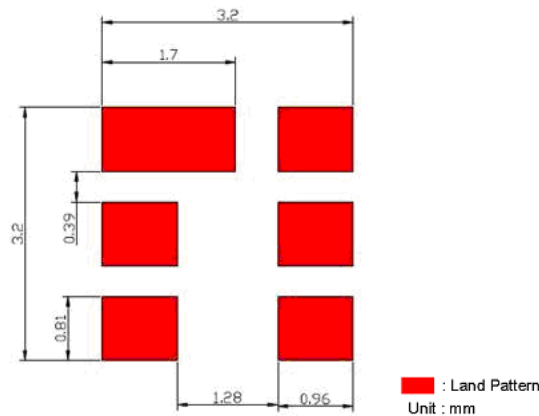
△ : Year Code (2011->1, 2012->2, ..., 2019->9, 2020->0)

□ : Date Code

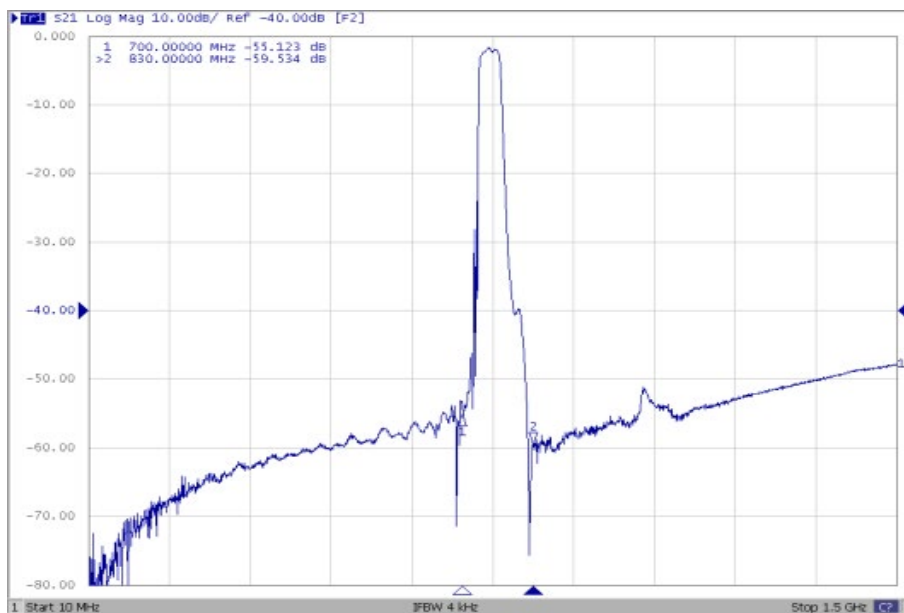
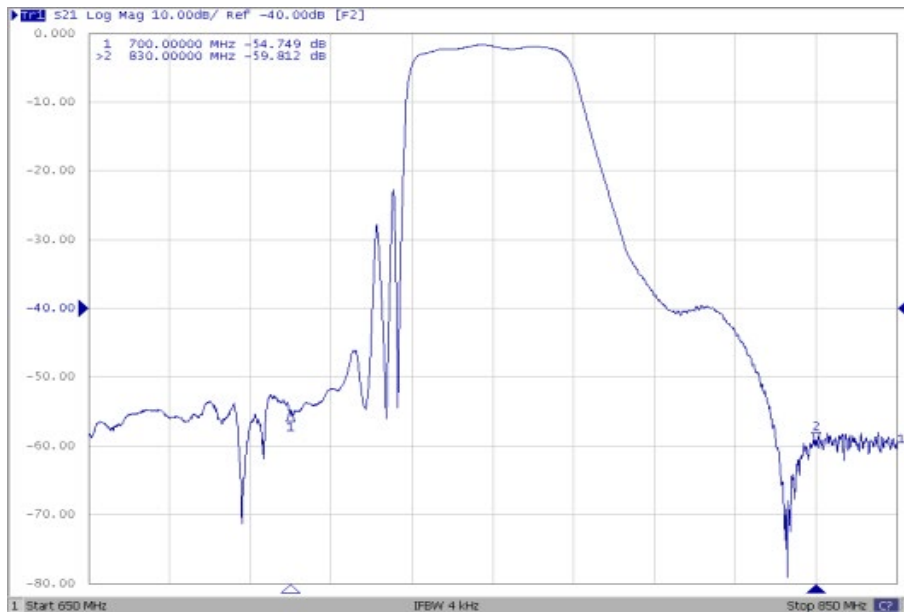
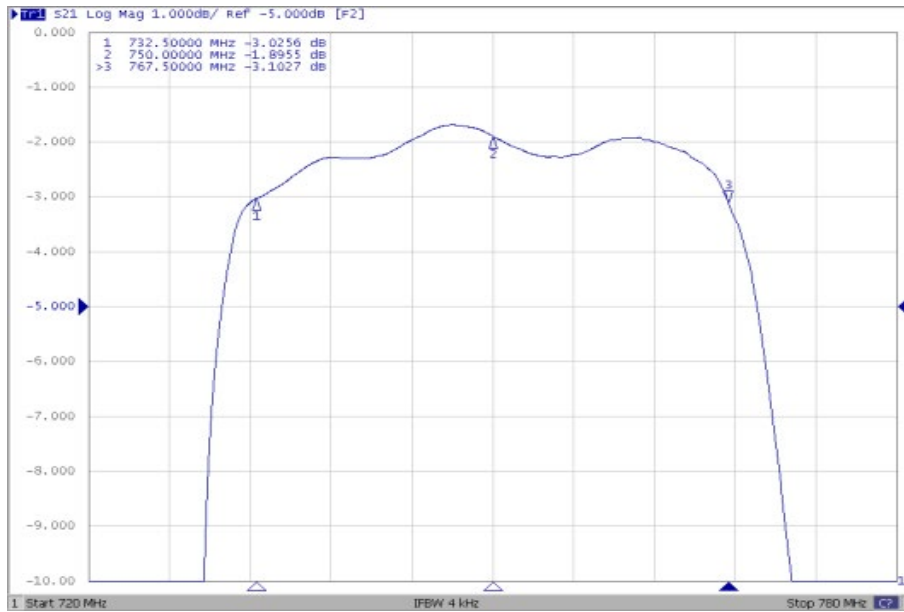
Date Code Table:

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

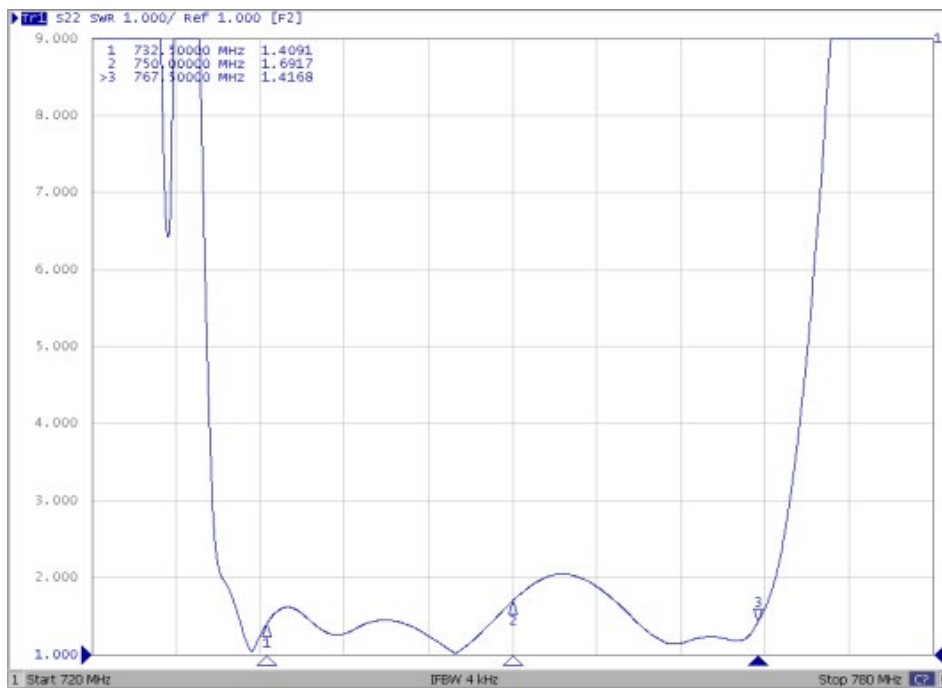
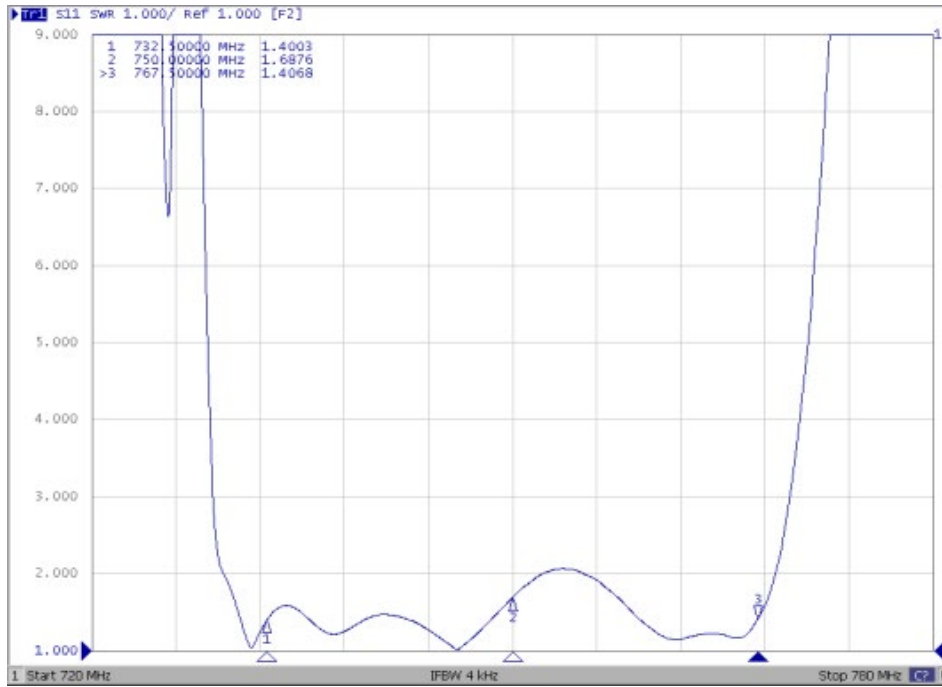
## PCB Footprint:



# FREQUENCY CHARACTERISTIC:



# Reflection Functions:



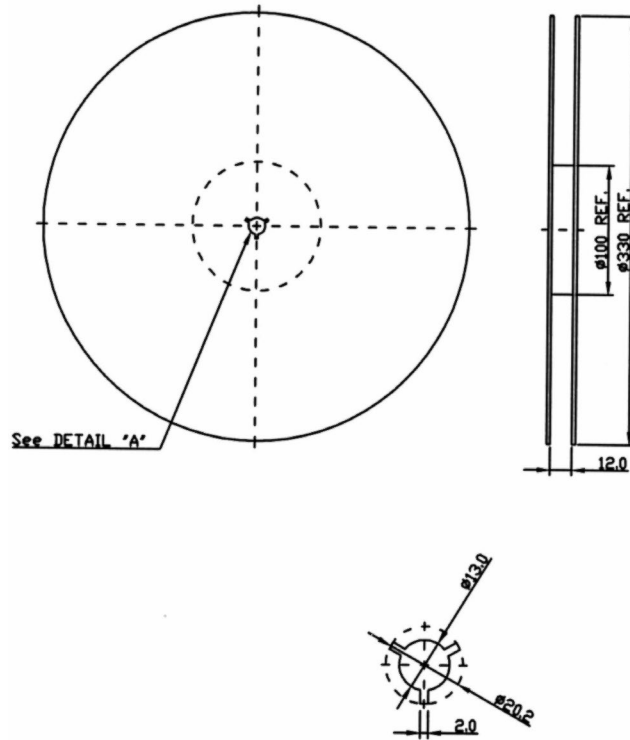
**PACKING:**

**1. REEL DIMENSION**

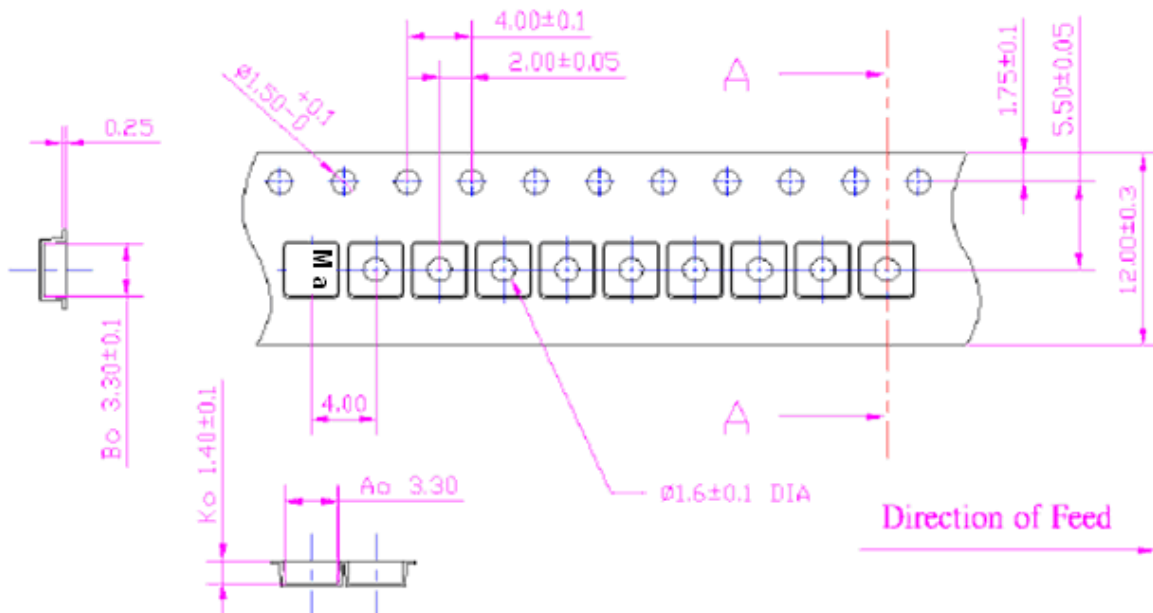
Reel Count:

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.

