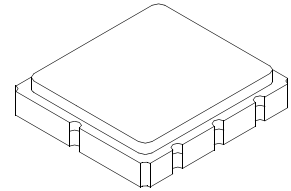


**SF2685C**

**231.25 MHz  
SAW Filter**



**SM5050-8**

**A. MAXIMUM RATING:**

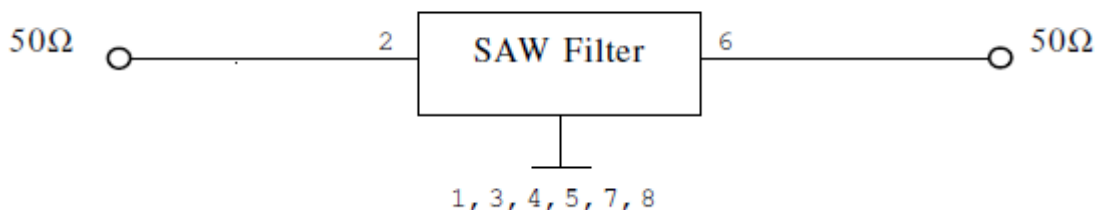
1. Input Power Level: 10 dB<sub>m</sub>
2. DC voltage: 5 V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitivity Level: Level 1(MSL1)

**B. ELECTRICAL CHARACTERISTICS:**

Item	Unit	min	Type	Max
<b>Center Frequency</b> Fc	MHz		231.25	
<b>Insertion Loss</b> 225.25~237.25MHz IL	dB		2	3.5
<b>Amplitude Ripple</b> 225.25~237.25MHz	dB		0.6	
<b>Absolute Delay</b> 225.25~237.25MHz	ns		70	1.5
<b>Group Delay Ripple</b> 225.25~237.25MHz	ns		30	150
<b>Passband</b> 770~810MHz	MHz		16	70
<b>Attenuation</b> (Reference level from 0dB)				
10~195 MHz	dB	<b>38</b>	42	
268.75~330 MHz	dB	35	43	
330~950 MHz	dB	18	24	
<b>Temperature Coefficient of Frequency</b>	ppm/°C	-75 typ		

**C. MEASUREMENT CIRCUIT:**

HP Network analyzer





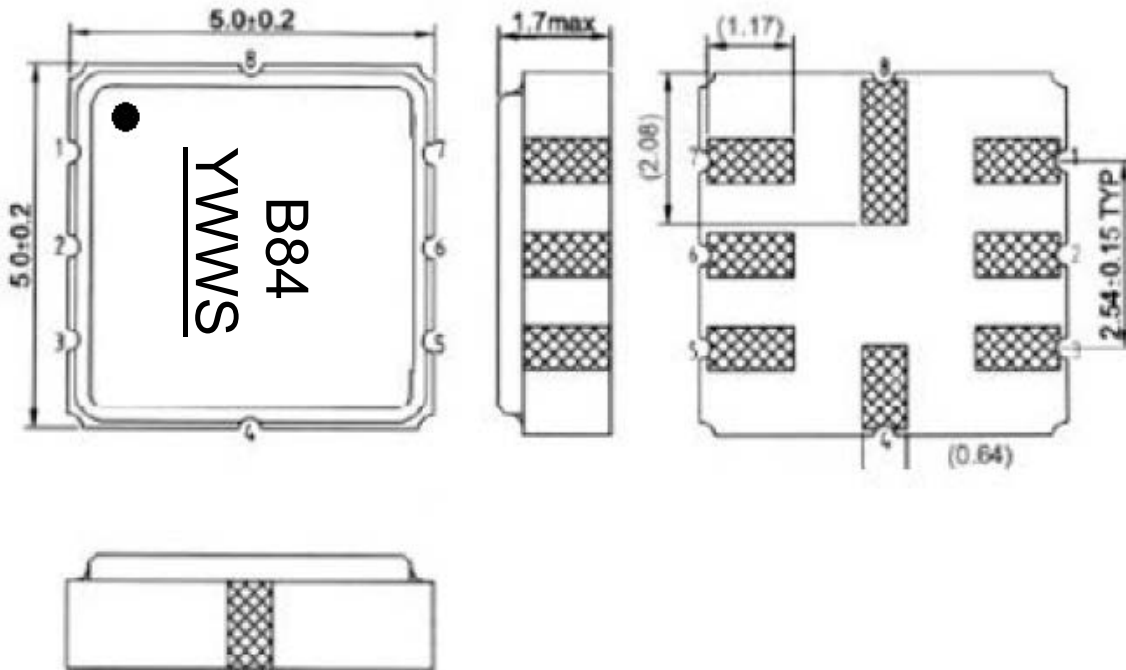
**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

**NOTES:**

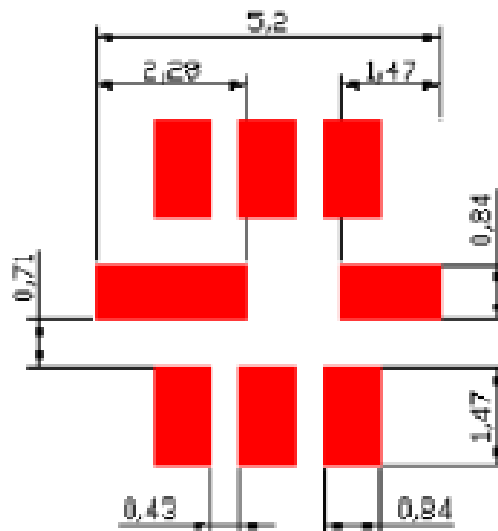
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

**D. OUTLINE DRAWING:**

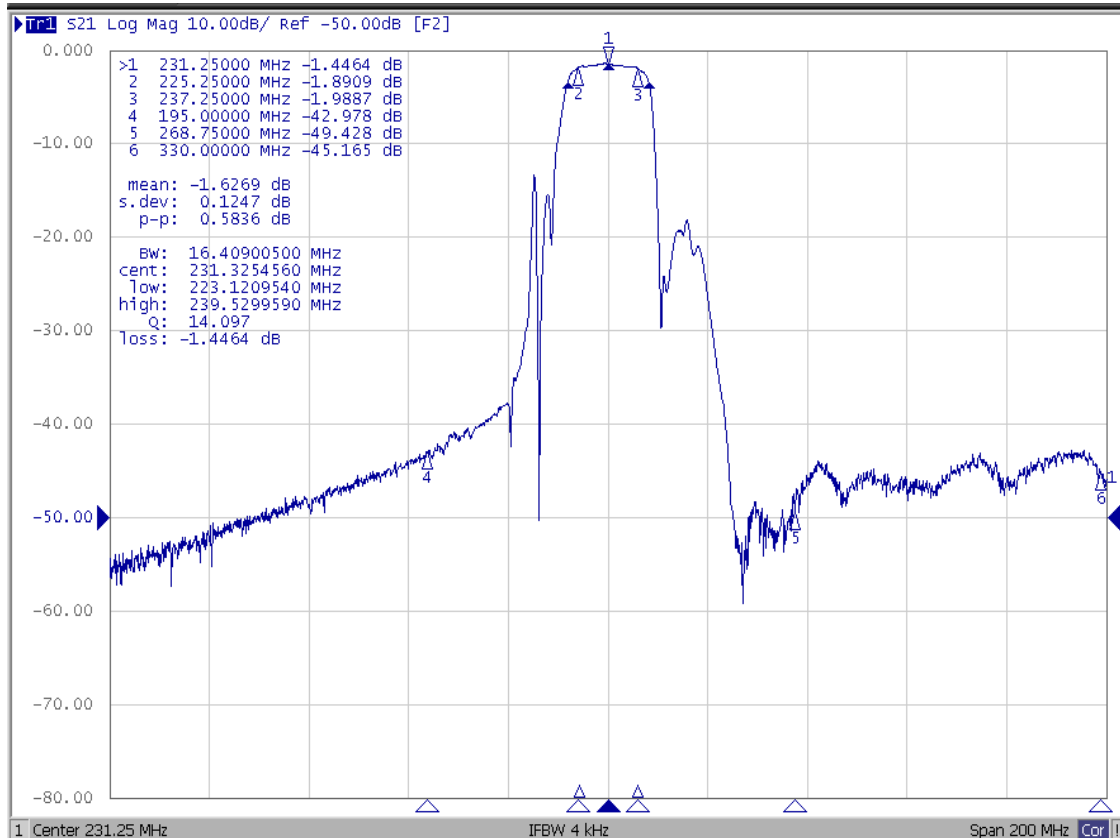
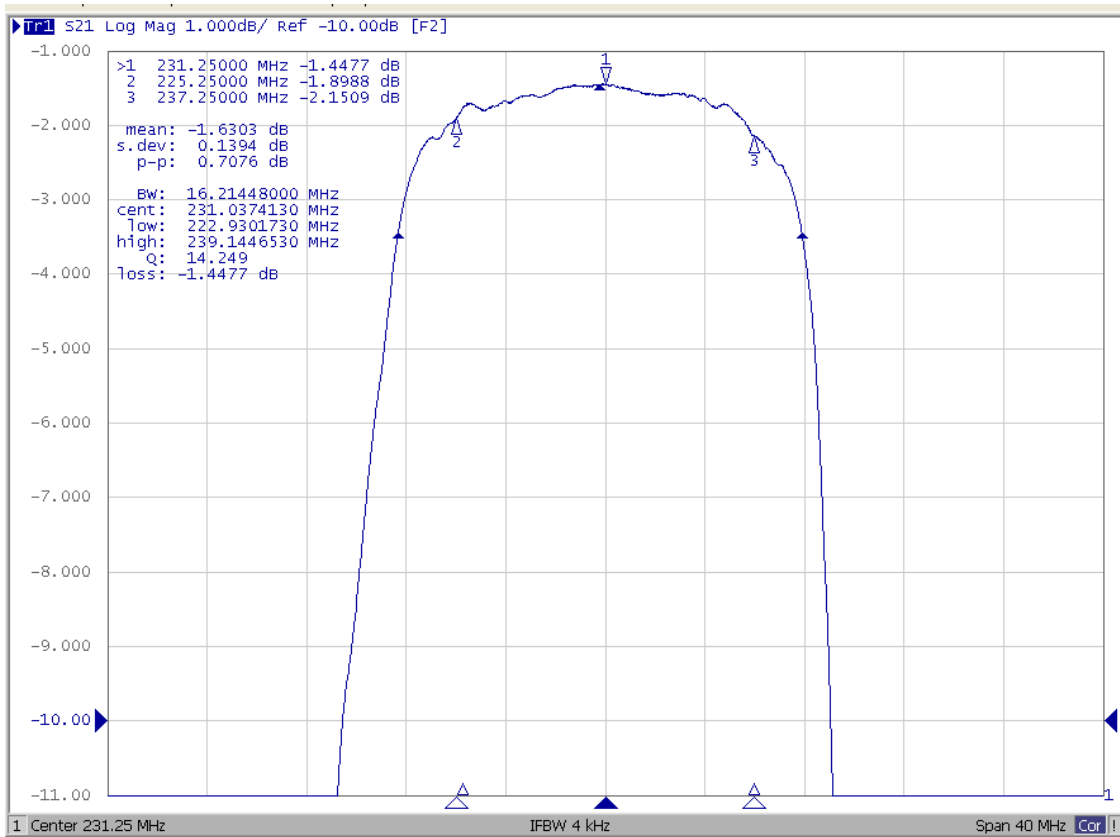
Y = Year, WW = Week, S = Shift

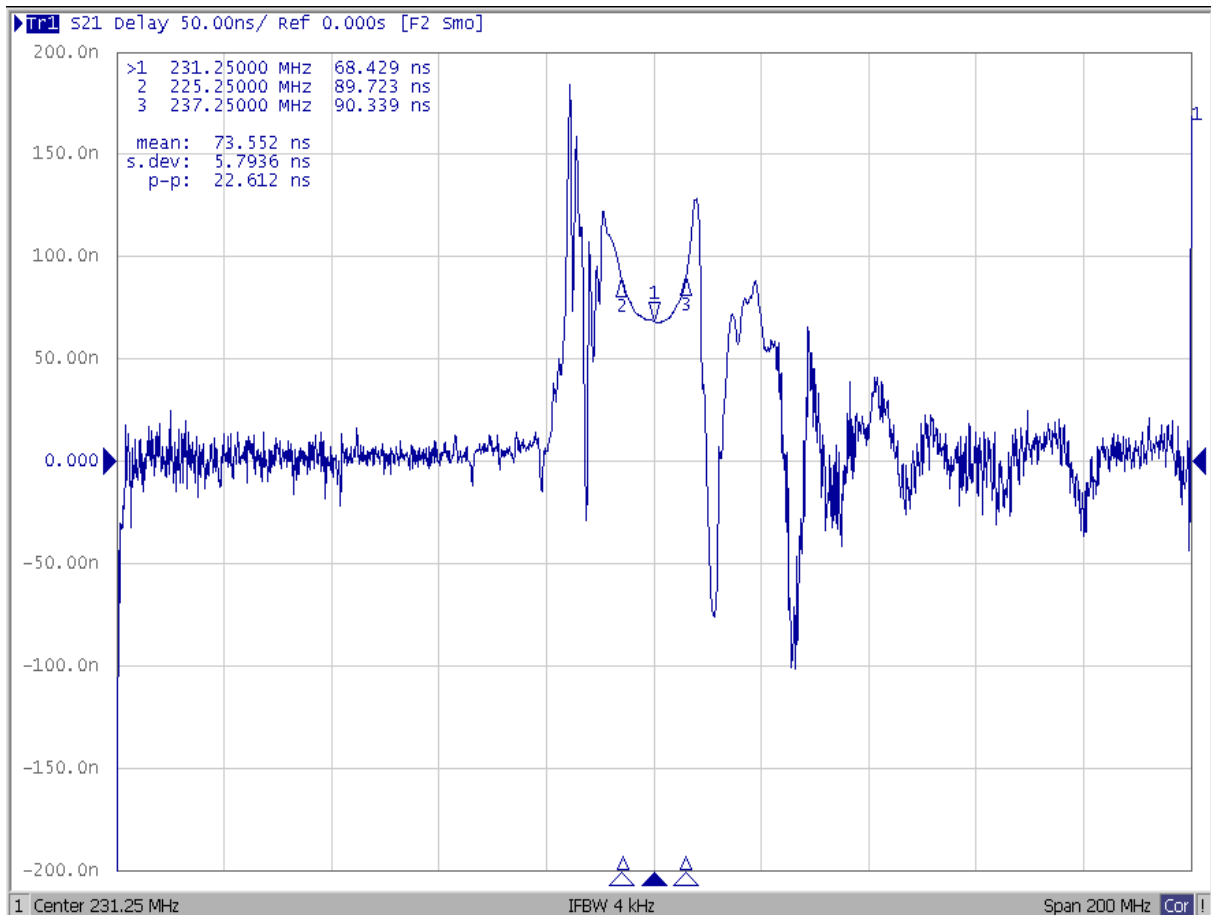
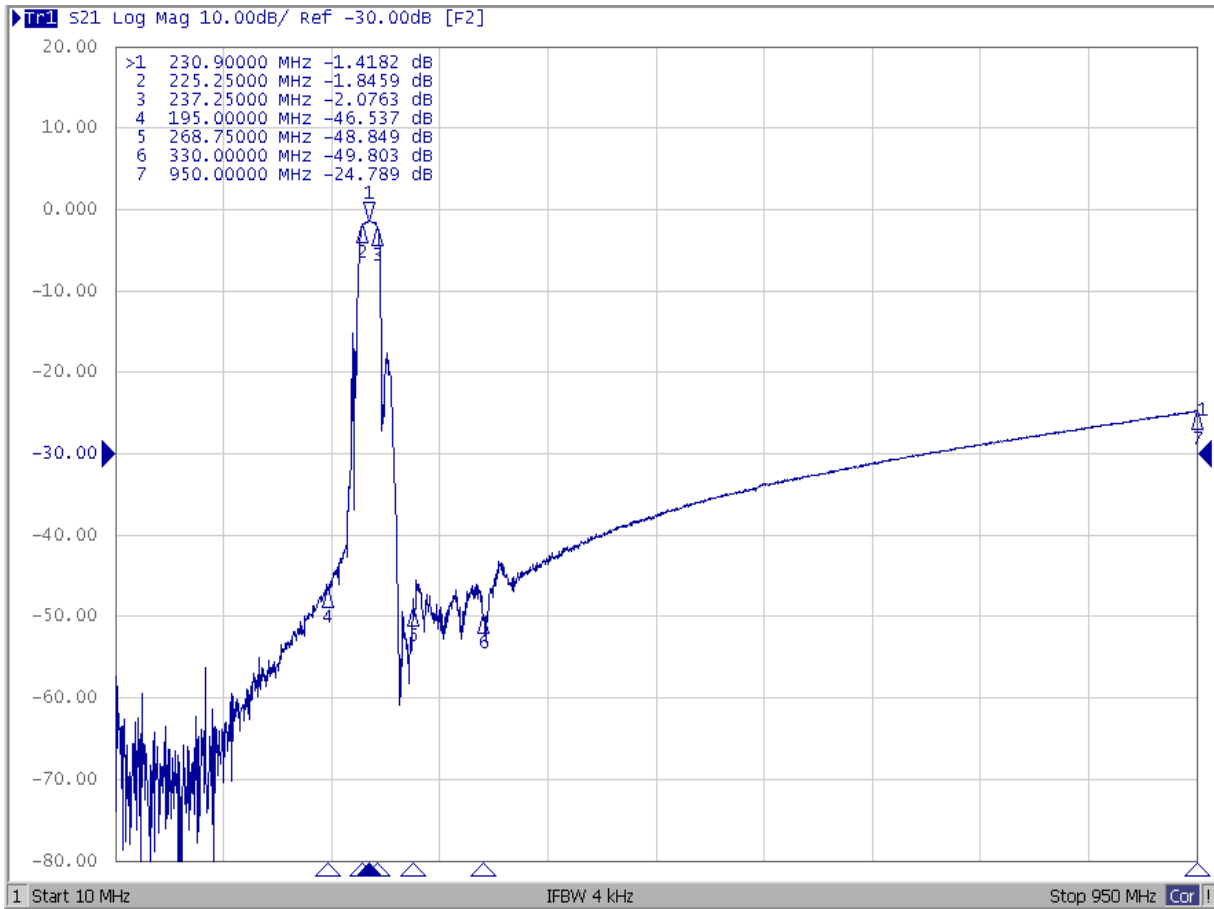


**E. PCB Footprint:**



## F. Frequency Characteristics:





## G. PACKING:

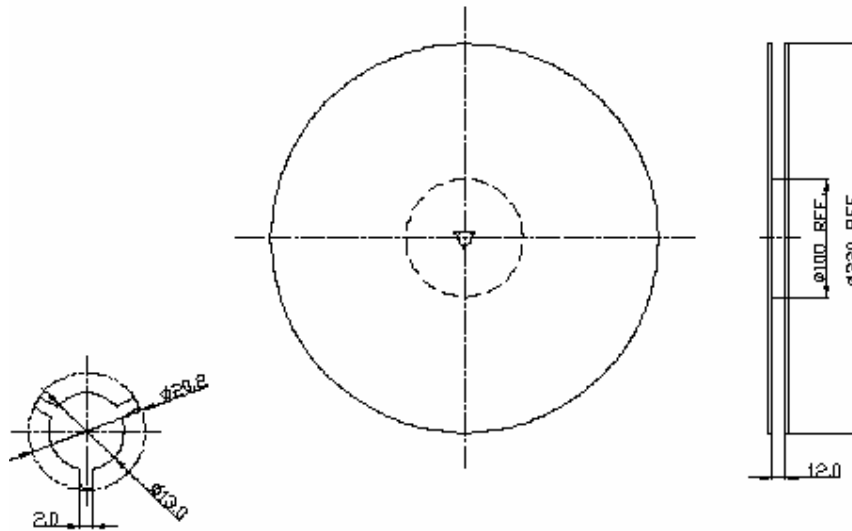
### REEL DIMENSION

Tape and Reel Standard per ANSI/EIA-481

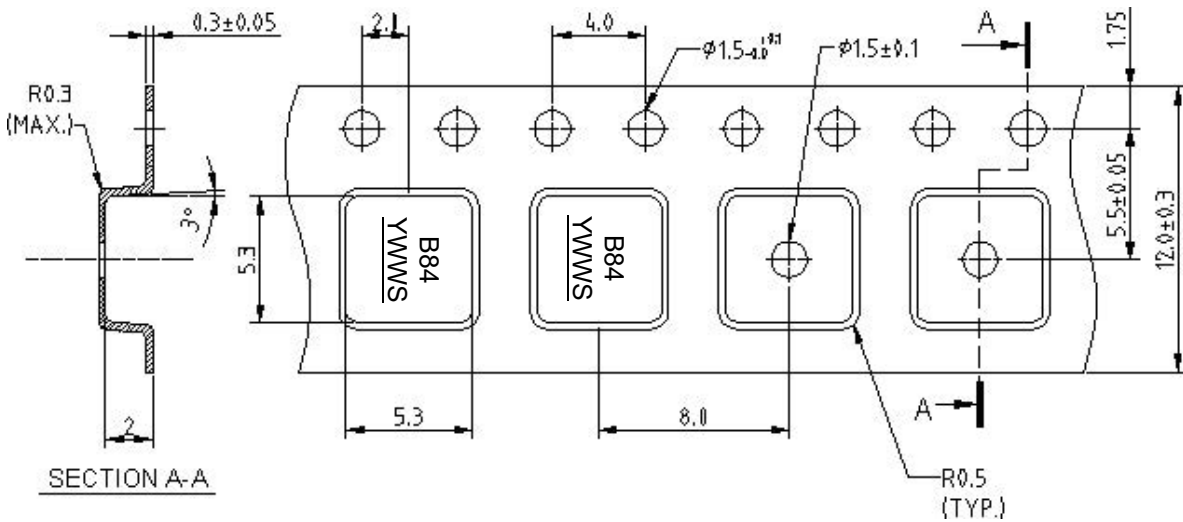
Reel Count:

7" = 500

13" = 3000



### 2. TAPE DIMENSION



### H. Recommended Refl 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 2 °C for 50~80 seconds and at 260°C +0/-5°C peak (20~40sec).
4. Time: 2 time

