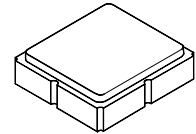


**SF2672C**

**480 MHz  
SAW Filter**



**SM3030-8**

**MAXIMUM RATING:**

- Operating Temperature: -30 °C ~ 70 °C
- Storage Temperature: -40 °C ~ +85 °C
- Moisture Sensitivity Level: Level 1(MSL1)

**Characteristics :**

Ambient Temperature: 25 °C

Item	Unit	Min.	Type.	Max.
Center frequency, <b>Fc</b>	MHz	479.5	480	480.5
Max Insertion Loss	dB	-	11.5	15.0
1 dB Bandwidth	MHz	54	58.0	-
3 dB Bandwidth	MHz	56	62.0	-
Pass band Ripple <b>Fc+/-27MHz</b>	dB	-	0.6	1.2
Group delay <b>453~507MHz</b>	ns		10	40
Relative Attenuation: (Reference level from Max IL )				
<b>320MHz to 440MHz</b>	dB	35	44	-
<b>520MHz to 640MHz</b>	dB	35	43	-
<b>Matching:</b>				
1. The input of the filter will be matched to <u>50 ohm</u>				
2. The output of the filter will be matched to <u>50 ohm</u>				



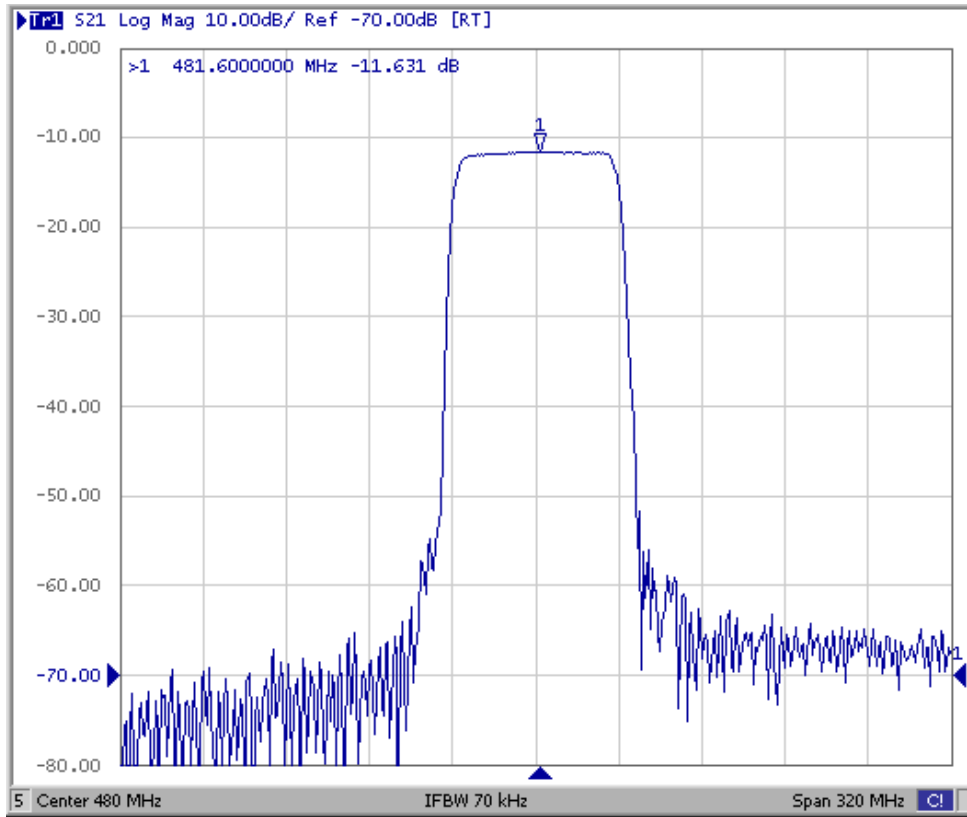
**CAUTION: Electrostatic Sensitive Device. Observe precautions for handling.**

**NOTES:**

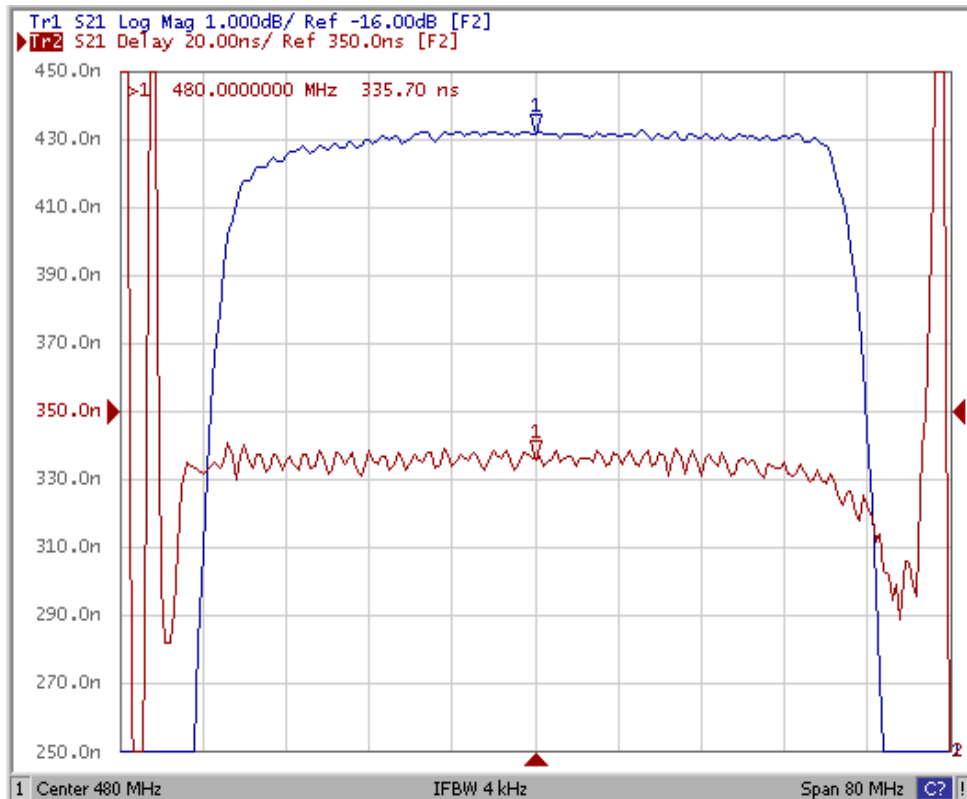
1. The design, manufacturing process, and specifications of this device are subject to change.
2. US or International patents may apply.
3. RoHS compliant from the first date of manufacture.

FREQUENCY CHARACTERISTICS:

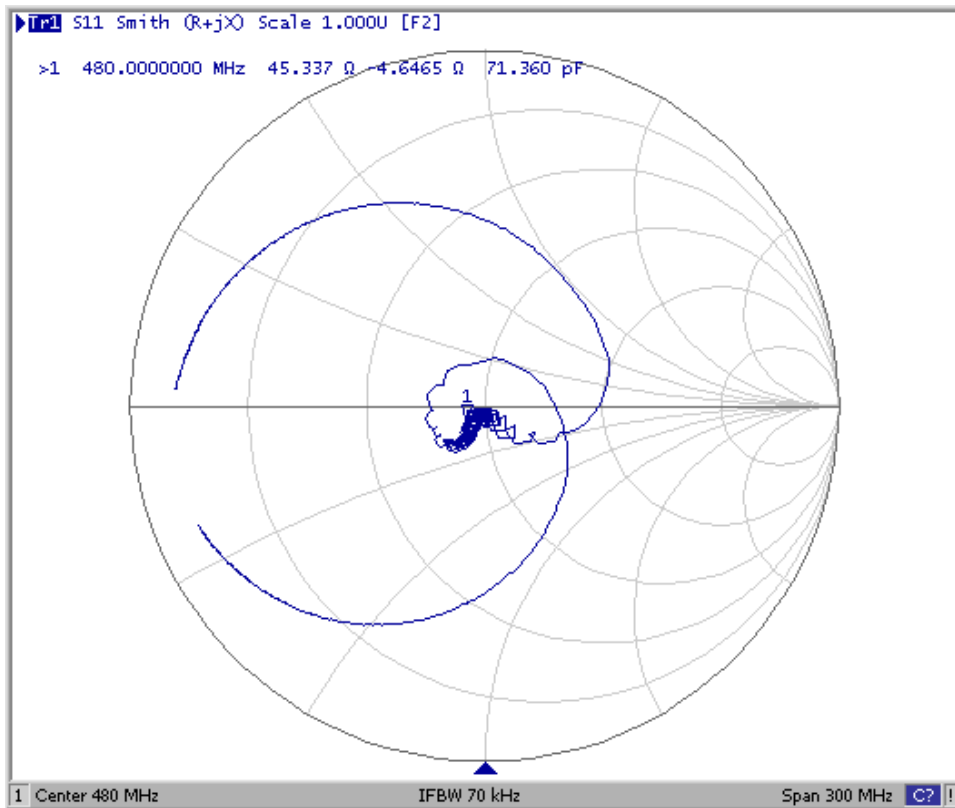
(1) S21 Response:(span 320MHz)



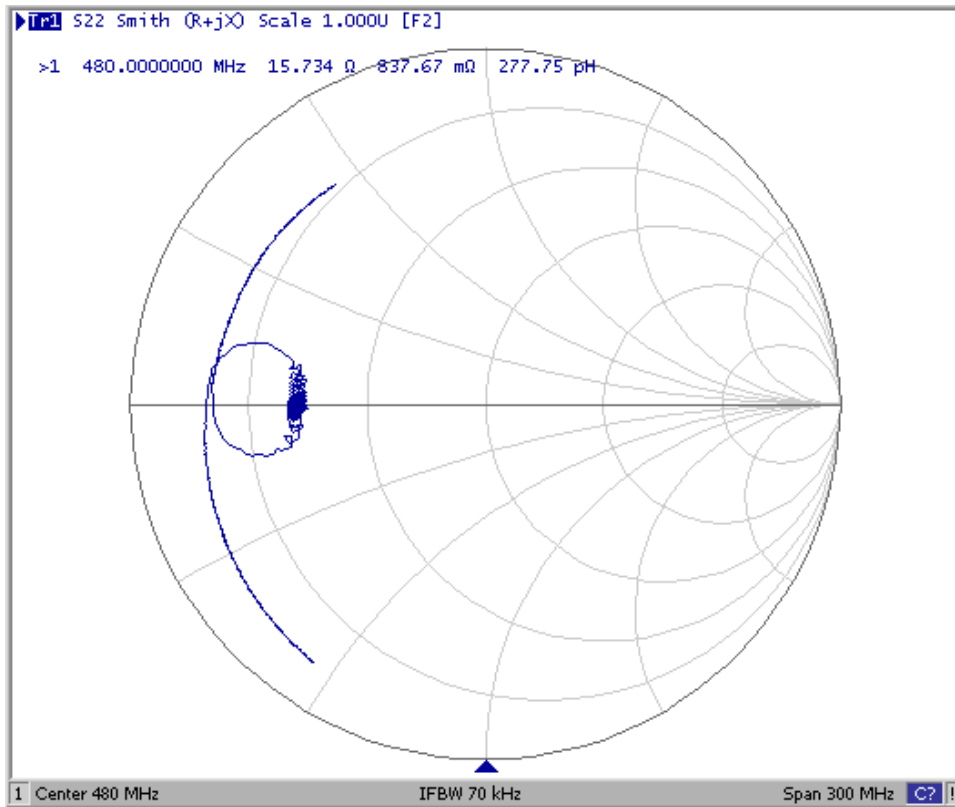
(2) Passband of Response: (span: 80MHz)



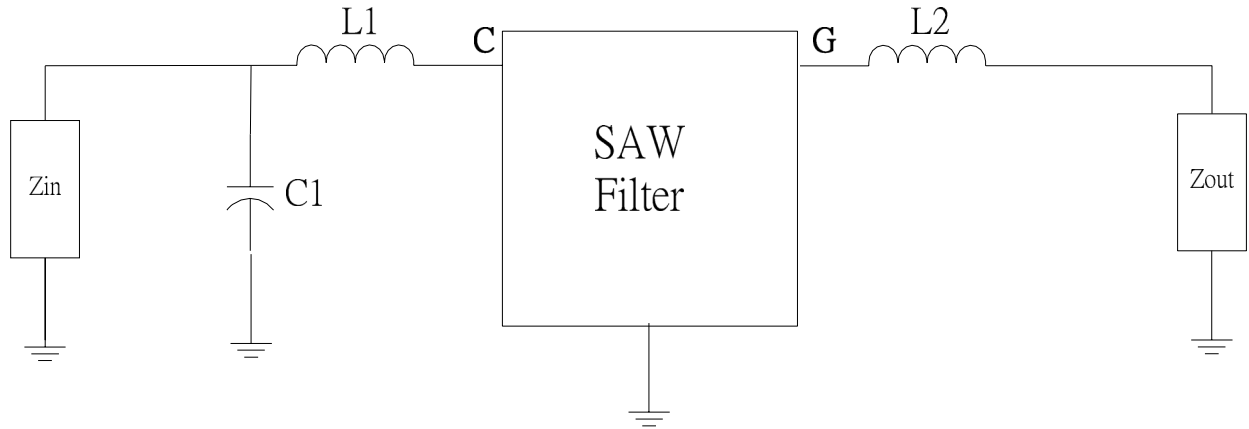
(3) S11 Smith Chart: (span 300MHz)



(4) S22 Smith Chart: (span 300MHz)

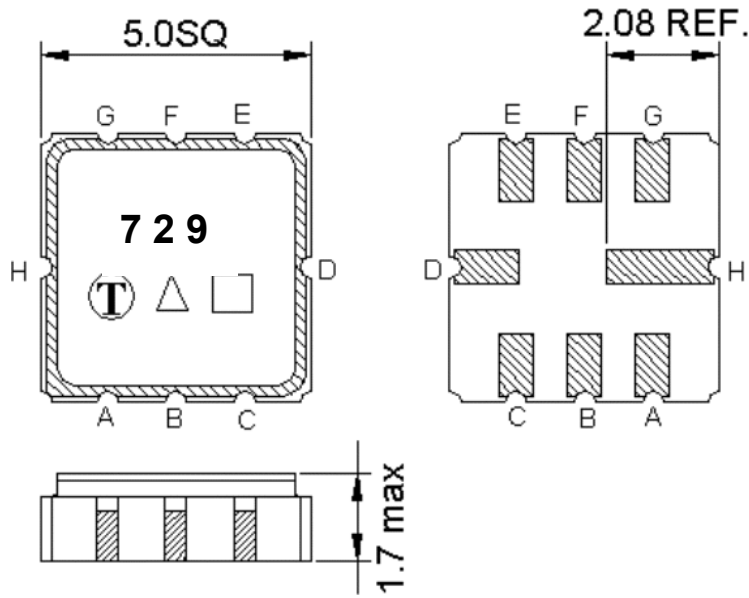


TEST CIRCUIT:



Zin and Zout are 50Ω  
L1=15nH, C1=10pF, L2=2.7nH

OUTLINE DRAWING:



Pin C: RF input

Pin G: RF output

Pin H,D: Case Ground

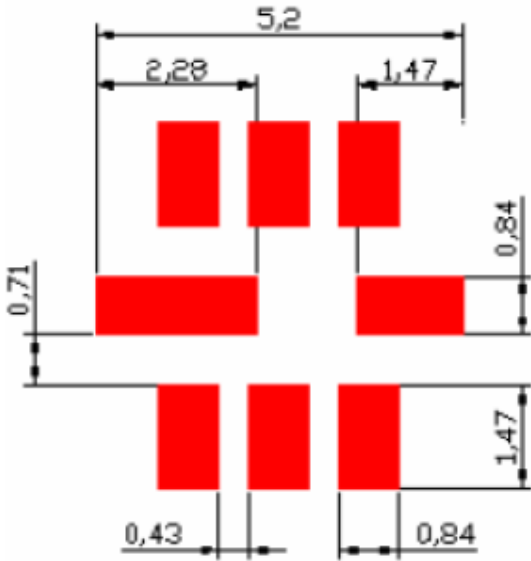
Pin A, B, E, F: Ground

□ : Week Code (Follow the table from planner each year)

Unit : mm

△ : Product / Year Code

OUTLINE DRAWING:



PACKING:  
1. REEL  
DIMENSION

Reel Count:  
7" = 500  
13" = 3000

