

SAW Filter 480.0MHz
Part No: MP03881

Model: TB0714A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. Operating Temperature: -20°C ~ +70°C
3. Storage Temperature: -40°C ~ +85°C

B. CHARACTERISTICS:

Ambient Temperature: 25°C

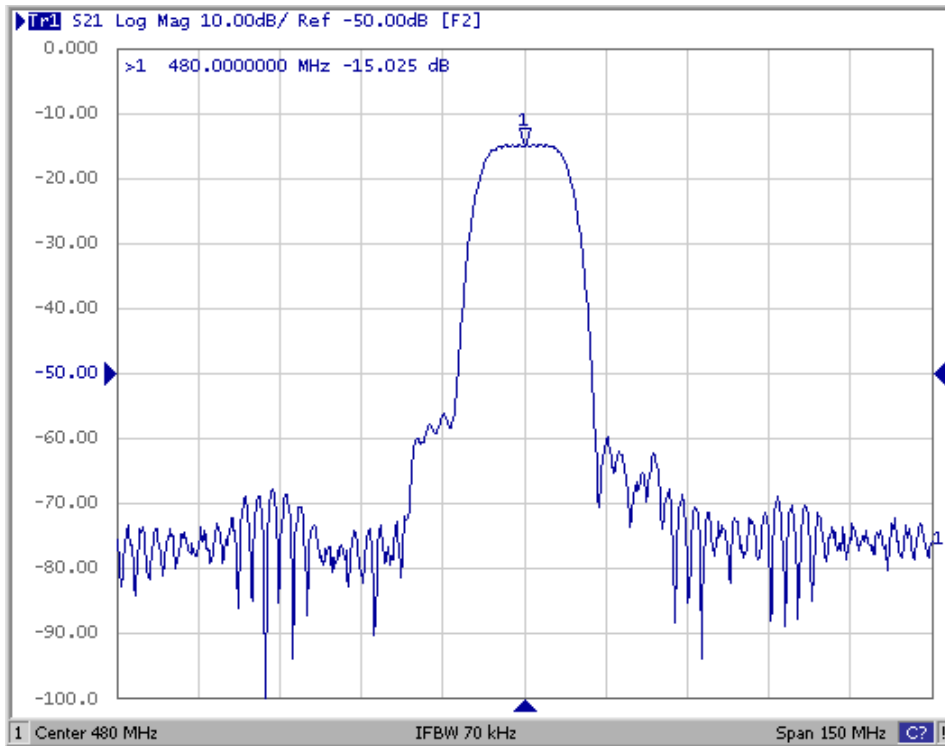
Characteristics	Value			Note
	Min.	Typ.	Max.	
Center frequency Fc MHz	-	480	-	-
Minimum Insertion loss IL dB	-	14.7	17.0	-
3dB Bandwidth MHz	15.0	15.2	-	-
40 dB Bandwidth	-	25.6	27.0	
Amplitude Ripple (Fc ± 5.0MHz) dB	-	0.5	1.0	-
Group-delay Ripple (Fc ± 6.0MHz) nsec	-	35	50	-
Temp Coefficient ppm/°C	-	-18	-	-
Attenuation (Reference level from Minimum insertion loss)				
498 ~ 502MHz dB	43	49	-	-

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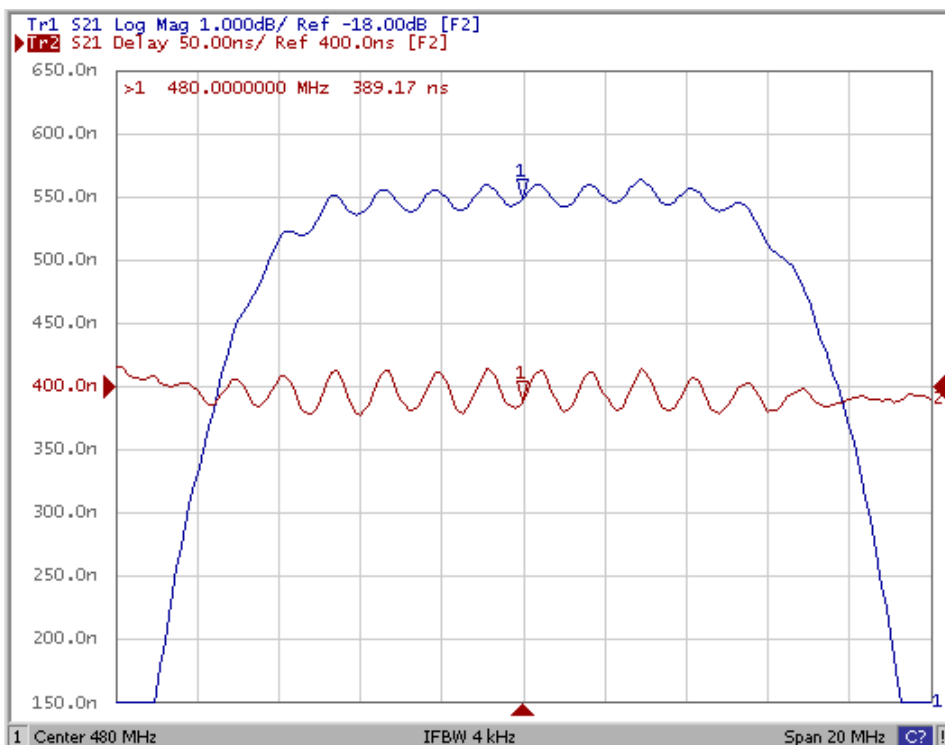
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C. FREQUENCY CHARACTERISTICS:

1. S21 Response:(span 150MHz)



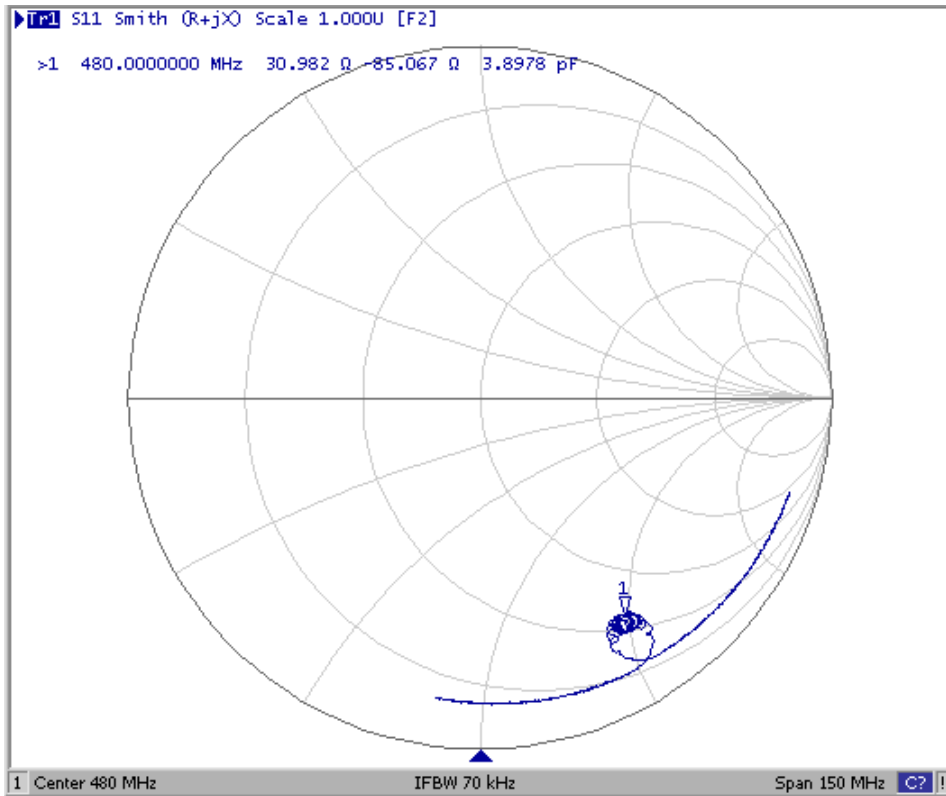
2. Passband of Response: (span: 20MHz)



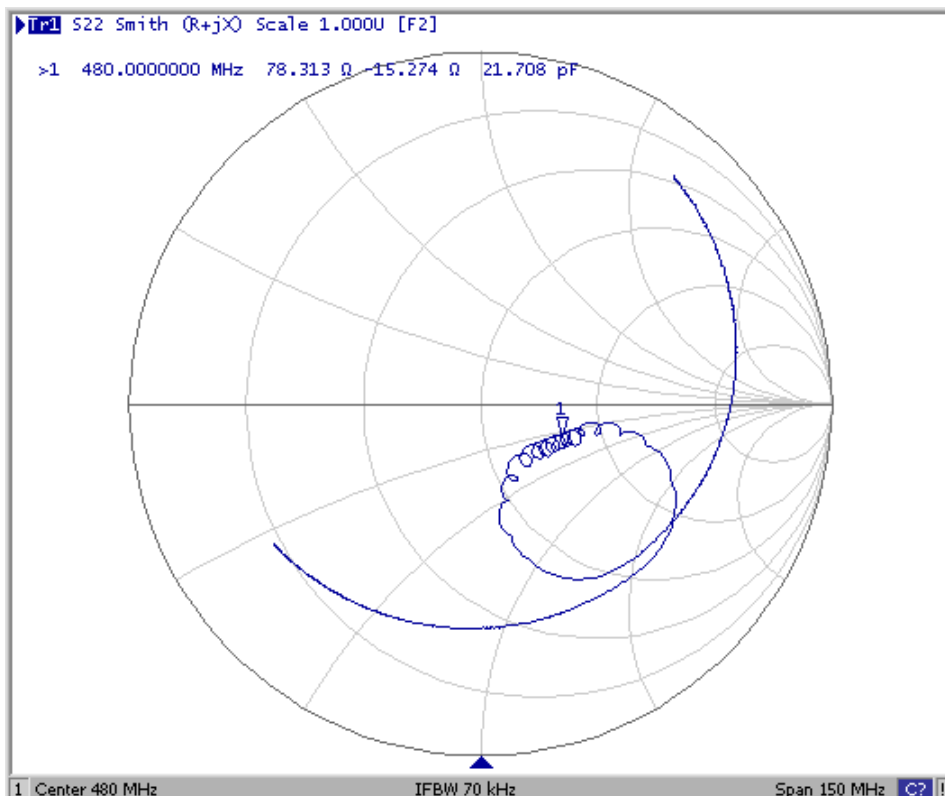
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3. S11 Smith Chart: (span 150MHz)



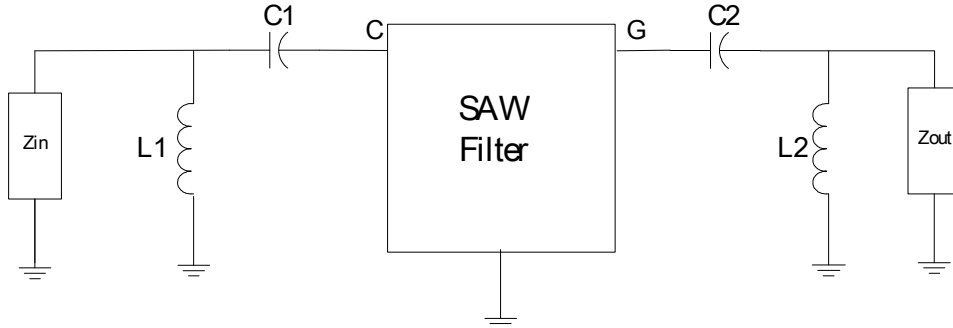
4. S22 Smith Chart: (span 150MHz)



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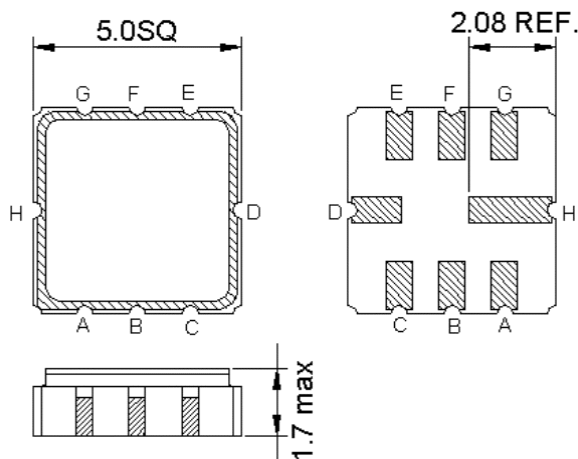
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D. TEST CIRCUIT:



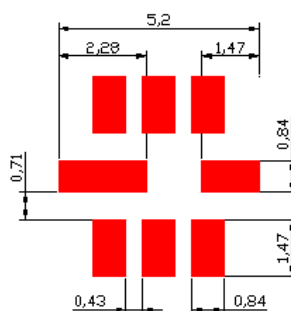
Z_{IN} and Z_{OUT} are 50Ω , $L1 = 27nH$, $C1 = 6.8pF$, $L2 = 10nH$, $C1 = 30pF$

E. OUTLINE DRAWING:



C: RF input
 G: RF output
 H, D: Case Ground
 A, B, E, F: Ground
 Unit: mm

F. FOOTPRINT:

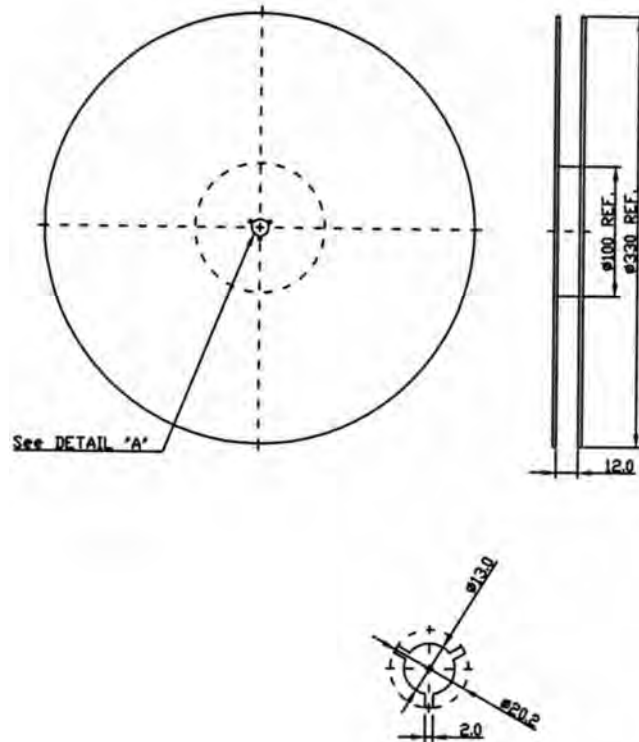


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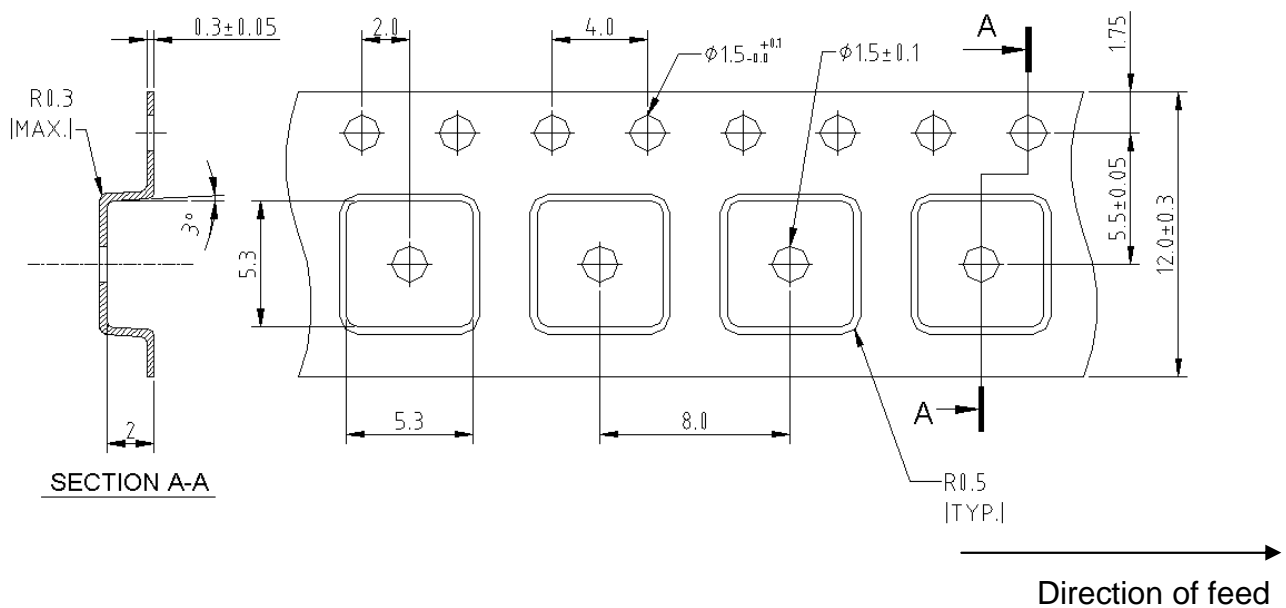
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G.PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

