

SAW Filter 495.0MHz
Part No: MP03884

Model: TB0707A
REV NO: PROVISIONAL A

A. MAXIMUM RATING:

1. Operating Temperature: -25°C to +70°C
2. Storage Temperature: -40°C to +85°C
3. Maximum Input Power: 10dBm

B. ELECTRICAL CHARACTERISTICS:

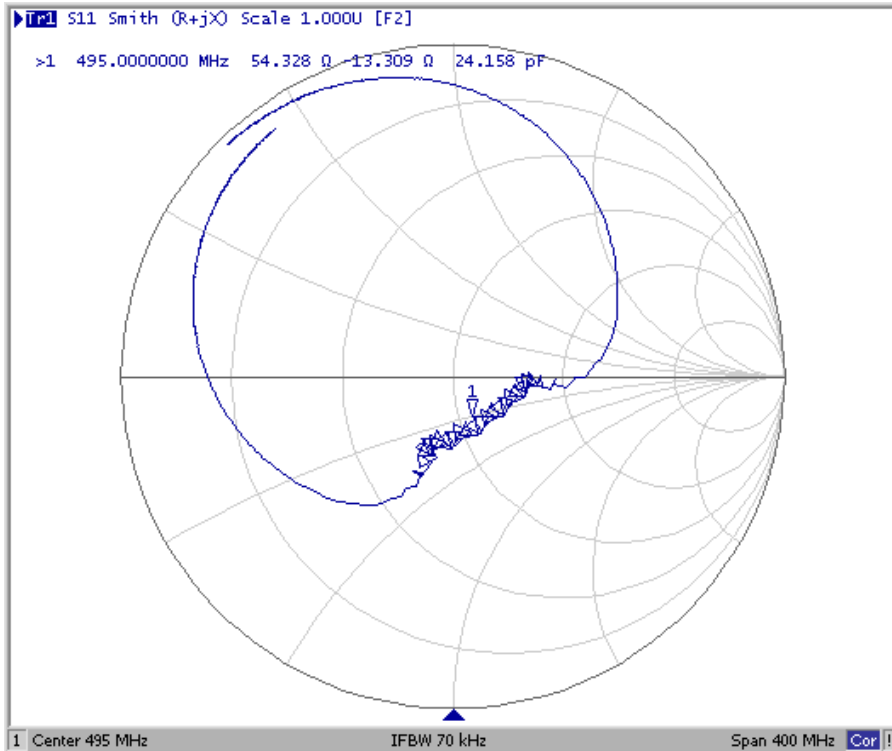
Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	495	-
Insertion loss at Fc	dB	-	14.7	18
Bandwidth at -1.0dB	MHz	30.0	33.0	-
Bandwidth at -6.0dB	MHz	-	39.0	42.0
Bandwidth at -25.0dB	MHz	-	46.0	50.0
Amplitude Ripple (Fc ± 15MHz)	dB	-	0.4	1
Group Delay Ripple (Fc ± 15MHz)	nS	-	30	100
Absolute Group delay at Fc	nS	-	310	-
Temp Coefficient	ppm/°C	-	-0.18	-

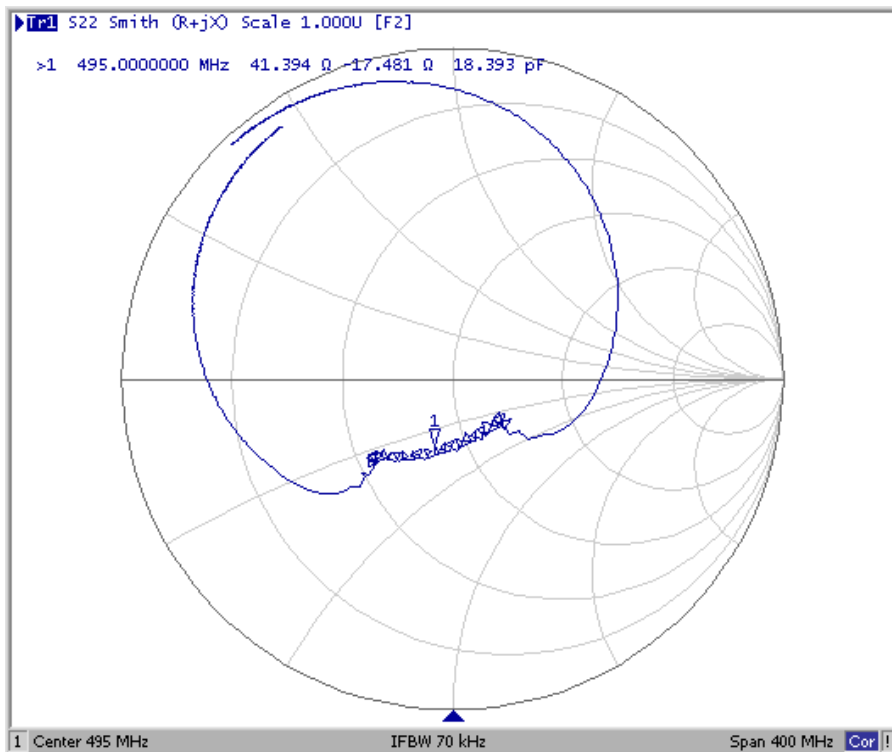
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3. S11 Smith-Chart: (span: 400MHz)



4. S22 Smith-Chart: (span: 400MHz)

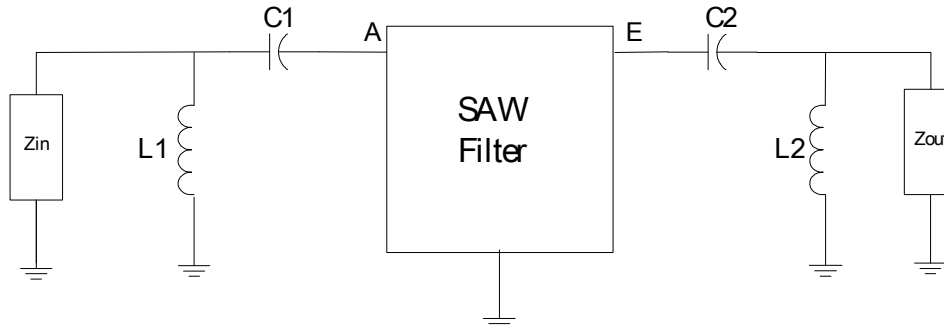


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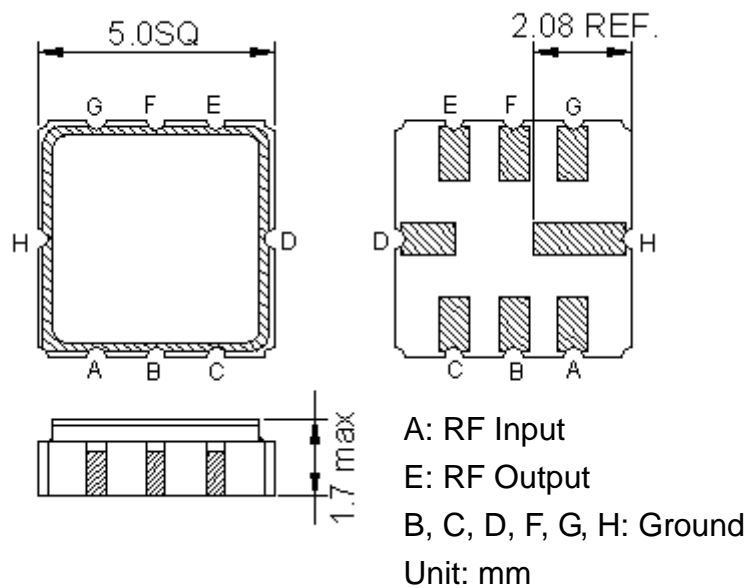
D. MEASUREMENT CIRCUIT:

1. Single ended input 50 ohm to Single ended Output 50Ω

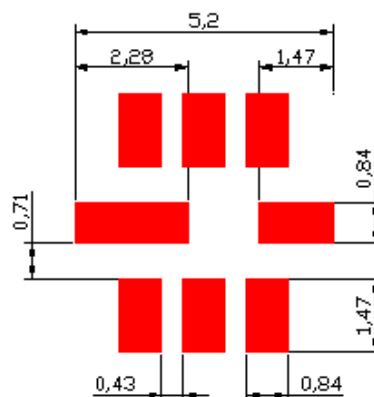


$C1 = 10.5\text{pF}$, $L1 = 5.6\text{nH}$, $C2 = 10\text{pF}$, $L2 = 5.6\text{nH}$

E. OUTLINE DRAWING:



F. PCB FOOTPRINT:

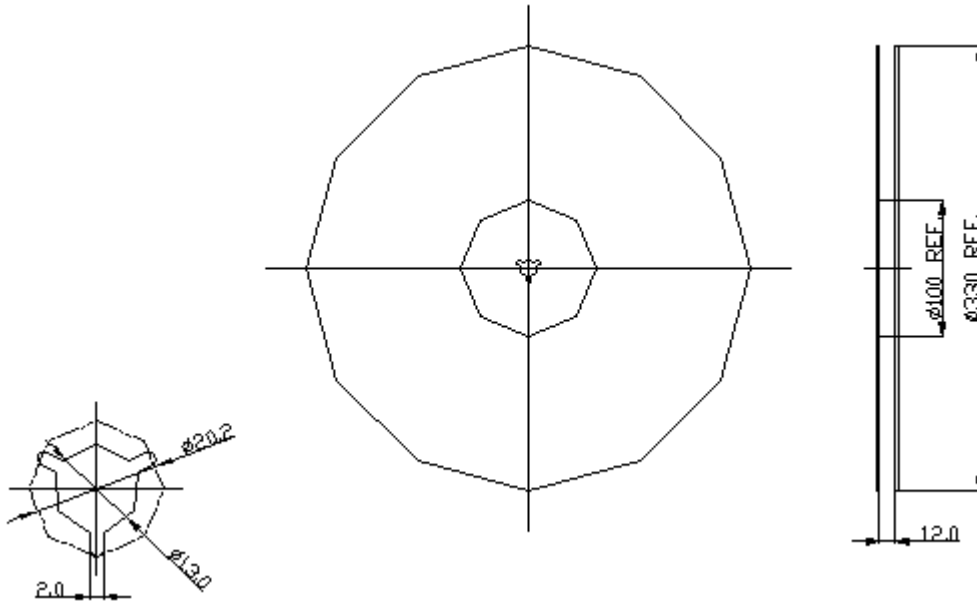


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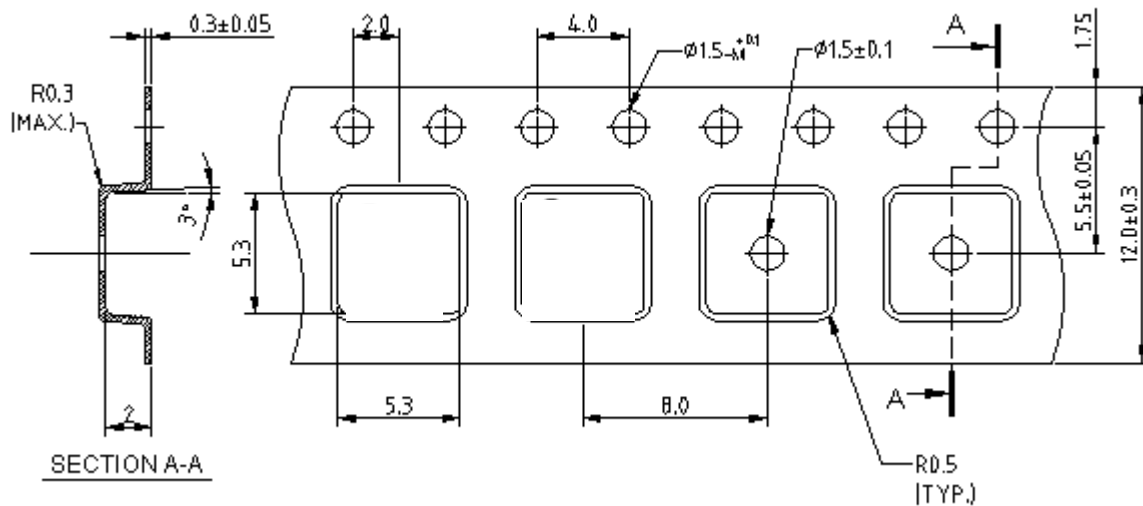
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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION



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H. RECOMMENDED REFLOW PROFILE:

