

SAW Filter 369MHz
Part No: MP03303

Model: TB0525A
Rev No: 1

A. MAXIMUM RATING:

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

B. CHARACTERISTICS:

Ambient Temperature: 25°C

Characteristics	Min.	Value	Max.	Note
Center frequency Fc MHz	-	369	-	-
Maximum Insertion loss IL dB	-	10.0	12.0	-
1dB Bandwidth MHz	10.5	11.5	-	
3dB Bandwidth MHz	-	13.6	-	
35dB Bandwidth MHz	-	18.6	-	
Passband Ripple in Fc ± 5.25MHz dB	-	0.5	1	-
Group Delay Ripple in Fc ± 5.25MHz nS	-	50	100	-
Temp Coefficient ppm/°C		-18		
Attenuation: (Reference level from minimum insertion loss)				
279 ~ 341MHz dB	40	50	-	-
341 ~ 352MHz dB	40	48	-	-
352 ~ 356MHz dB	35	44	-	-
382 ~ 386MHz dB	25	52	-	-
386 ~ 420MHz dB	30	46	-	-
420 ~ 464 MHz dB	40	43	-	-

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C. FREQUENCY CHARACTERISTICS:

1. S21 Response

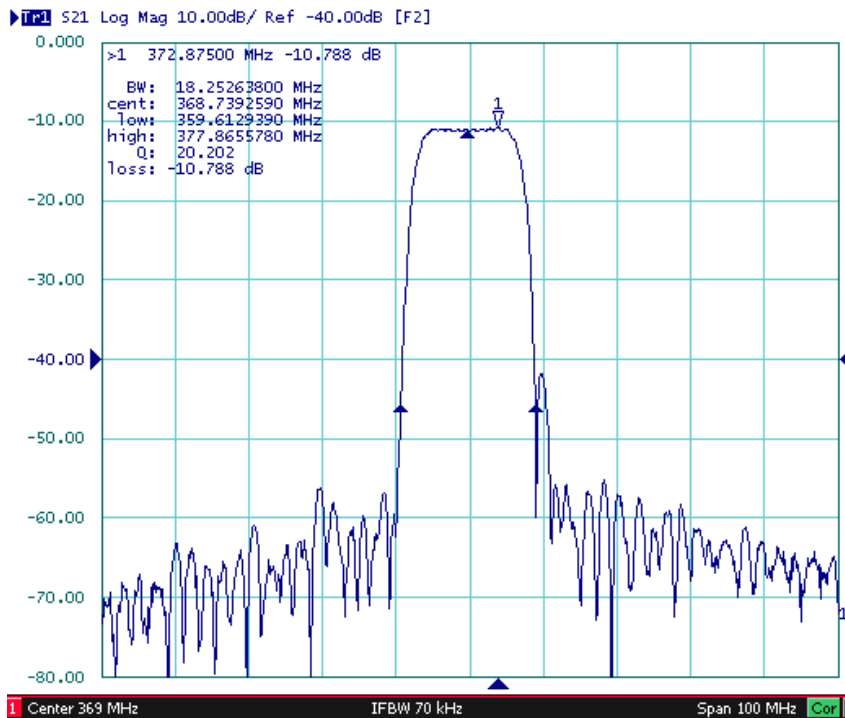


Fig. 1. Horizontal: 10MHz; Vertical: 10dB/Div

2. Passband Response

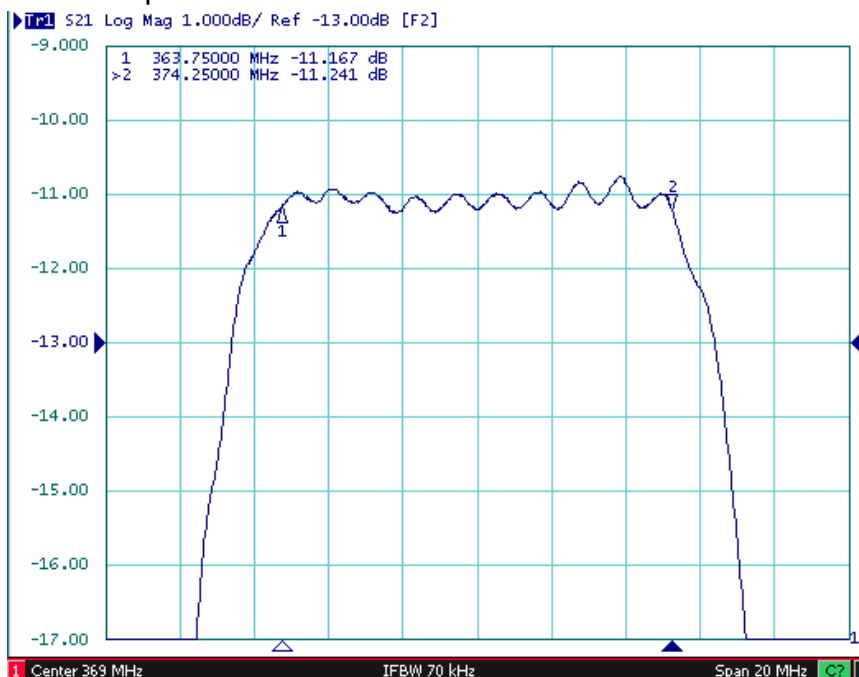


Fig. 2. Passband Horizontal: 2MHz; Vertical: 1dB/Div

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3. Group Delay

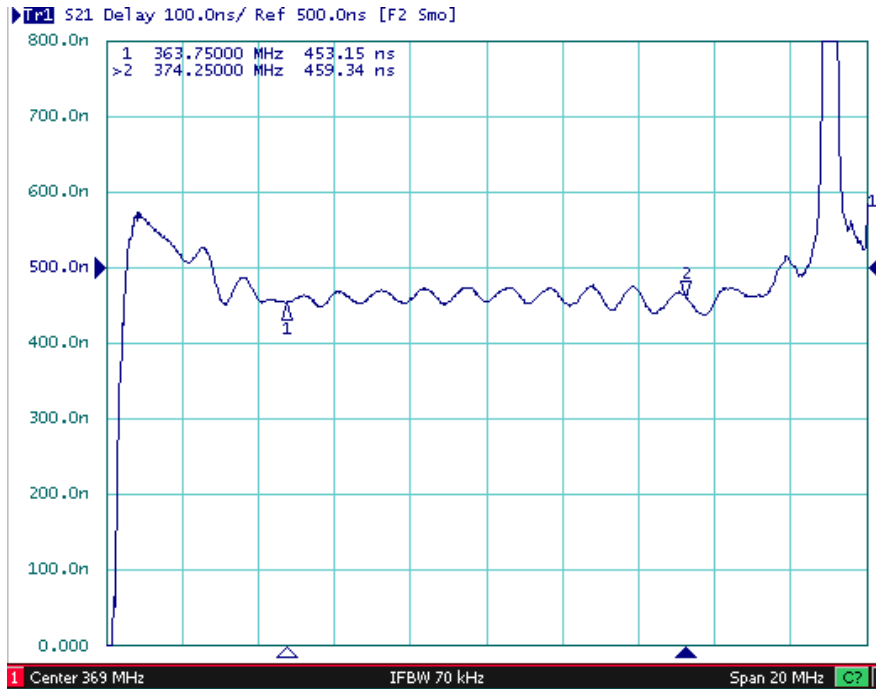
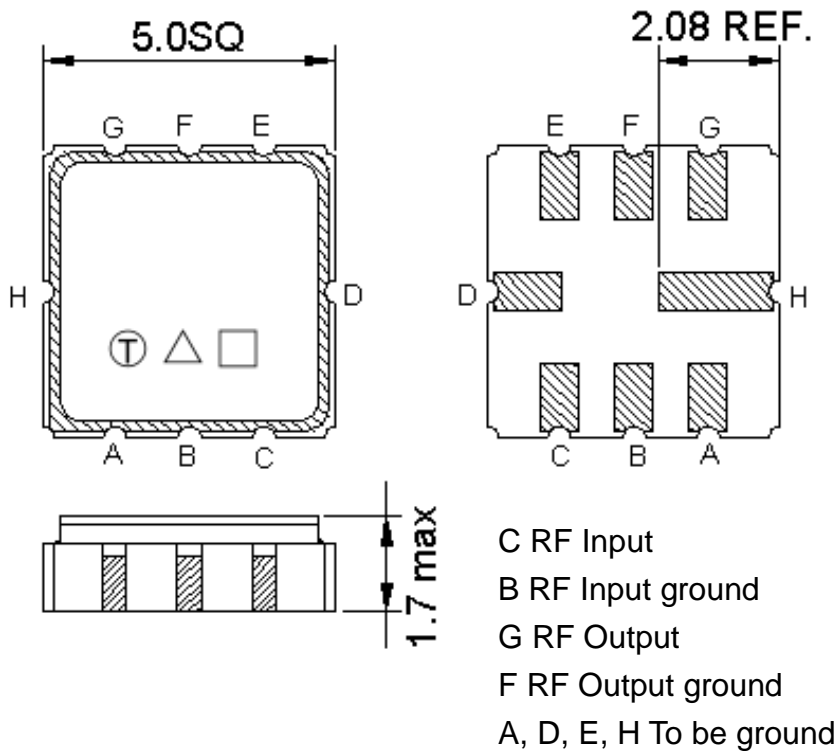


Fig. 3. Passband Horizontal: 2MHz; Vertical: 100nS/Div

D. OUTLINE DRAWING:

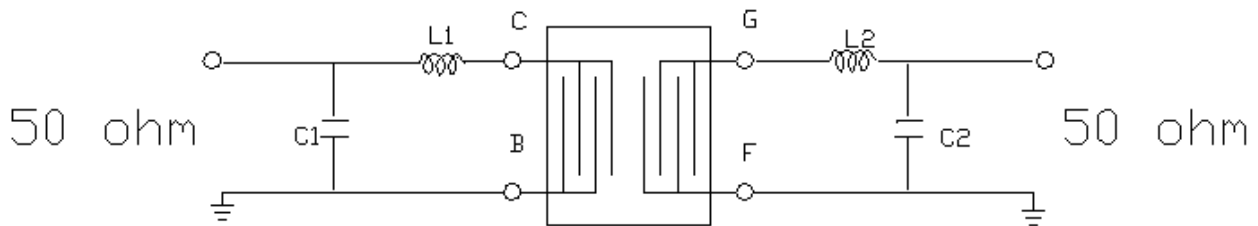


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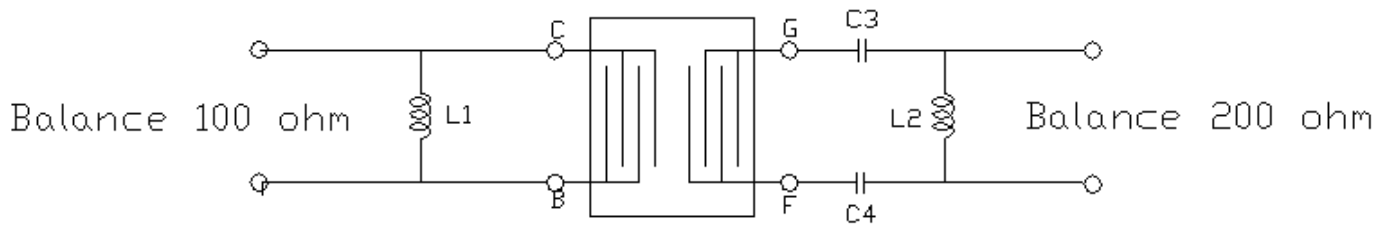
E. MEASUREMENT CIRCUIT:

1. Single ended input 50Ω to Single ended output 50Ω



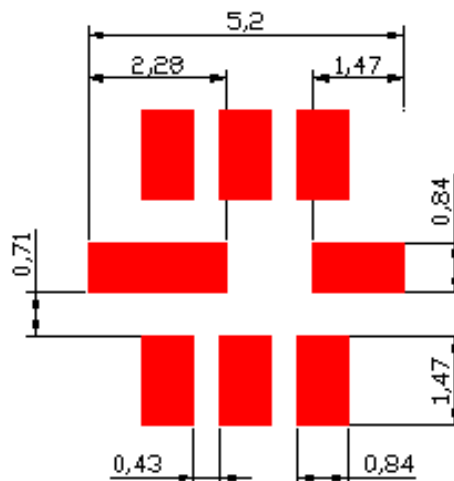
$L1 = L2 = 22\text{nH}$ $C1 = C2 = 18\text{pF}$

2. Balanced input 100Ω to Balanced output 200Ω



$L1 = 27\text{nH}$ $C3 = C4 = 150\text{pF}$ $L2 = 27\text{nH}$

F. PCB FOOTPRINT:

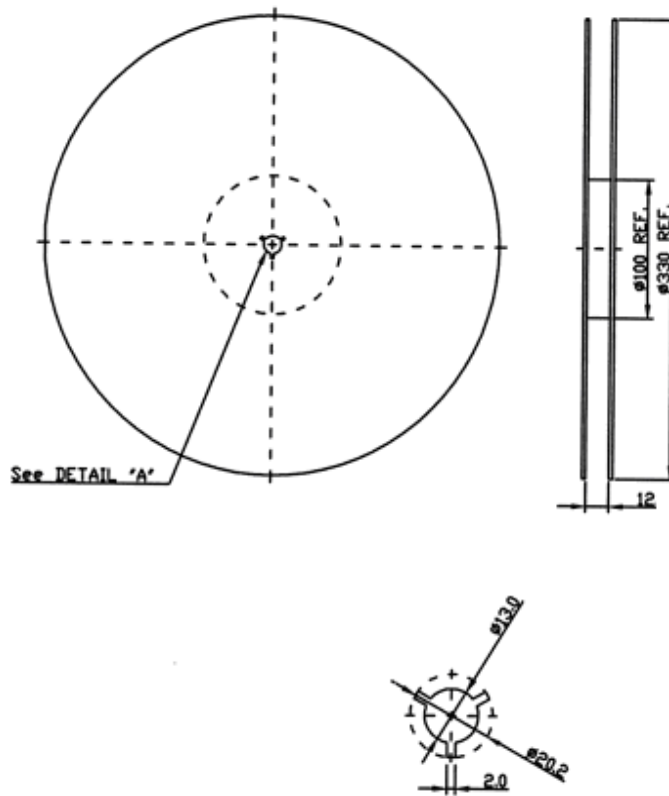


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G. PACKING:

1. REEL DIMENSION



2. TAPE DIMENSION

