

SAW Filter 456.0MHz
Part No: MP01279

Model: TB0492A
Rev. No: 2

A. MAXIMUM RATING:

1. Operating Temperature: -40°C ~ +90°C
2. Storage Temperature: -40°C ~ +90°C
3. Input Power Level: 10dBm

B. CHARACTERISTICS:

1. Ambient Temperature: 25°C
2. Optimal Source Impedance (Balanced): 200ohms
3. Optimal Load Impedance (Balanced): 200ohms

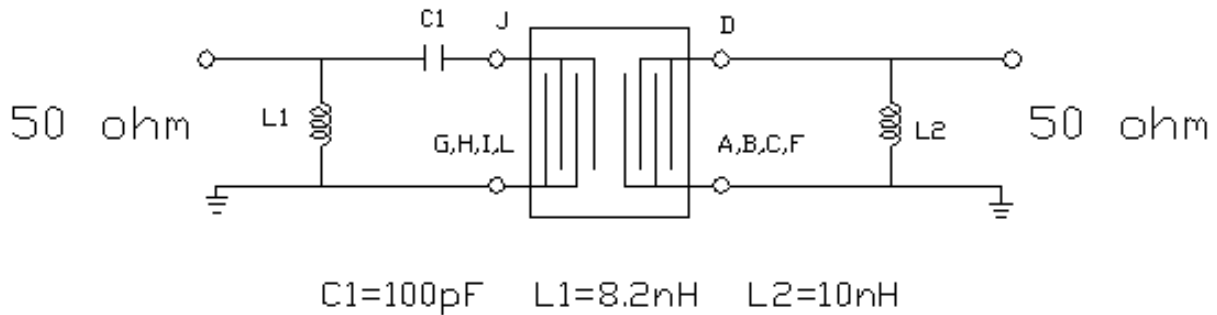
Characteristics	Min.	Typ.	Max.	Note
Center Frequency Fc MHz	-	456.0	-	-
Minimum Insertion Loss dB		10.2	11.0	
Passband Ripple (Fc ±2.9MHz) dB	-	0.8	1.5	-
Passband Ripple (Fc ±5.2MHz) dB		1.7	2.0	
Group Delay Ripple (Fc ±5.2MHz) nS	-	80	150	-
Absolute group delay (at Fc) µS		0.44		
Attenuation: (Reference level from minimum insertion loss) dB				
Fc ±10.0MHz, Fc ±43.0MHz dB	37	40	-	-
411MHz ~ 413MHz dB	40	53	-	-
393MHz ~ 411MHz dB	40	53	-	-
343MHz ~ 393MHz dB	42	56	-	-
Temp Coefficient ppm/°C ²	-18			

SAW Filter 456.0MHz
Part No: MP01279

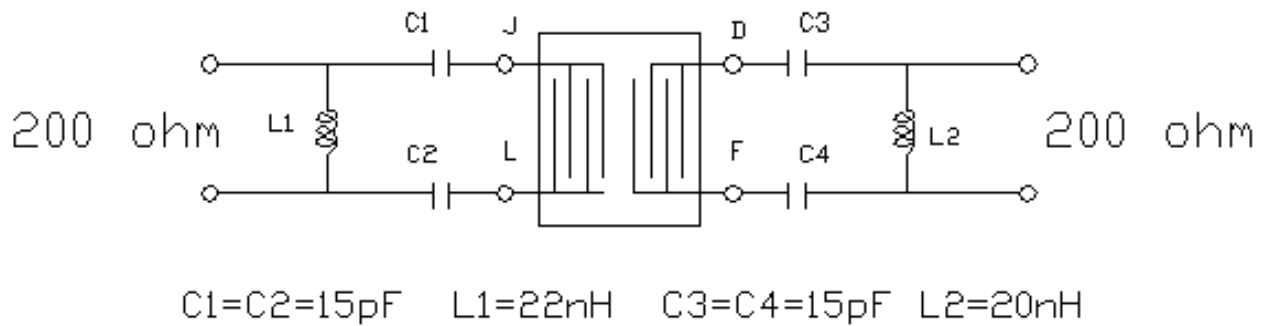
Model: TB0492A
Rev. No: 2

C. MEASUREMENT CIRCUIT:

1. Single end 50ohm to Single end 50ohm



2. Balanced 200ohm to Balanced 200ohm



SAW Filter 456.0MHz
Part No: MP01279

Model: TB0492A
Rev. No: 2

D. FREQUENCY CHARACTERISTICS:

1. S21 Response

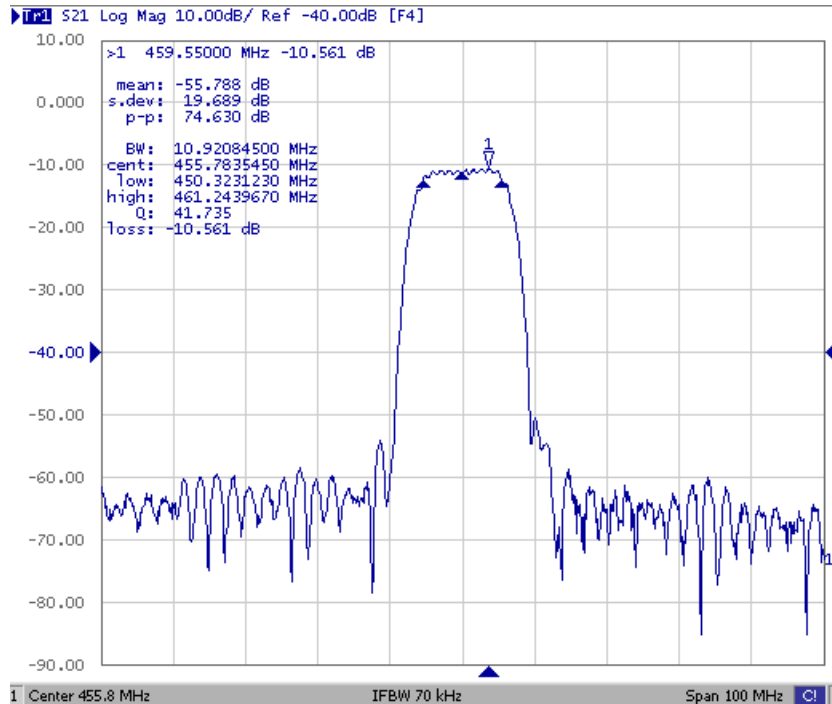


Fig. 1: Horizontal: 10MHz / Div, Vertical: 10dB / Div

2. Pass band Ripple

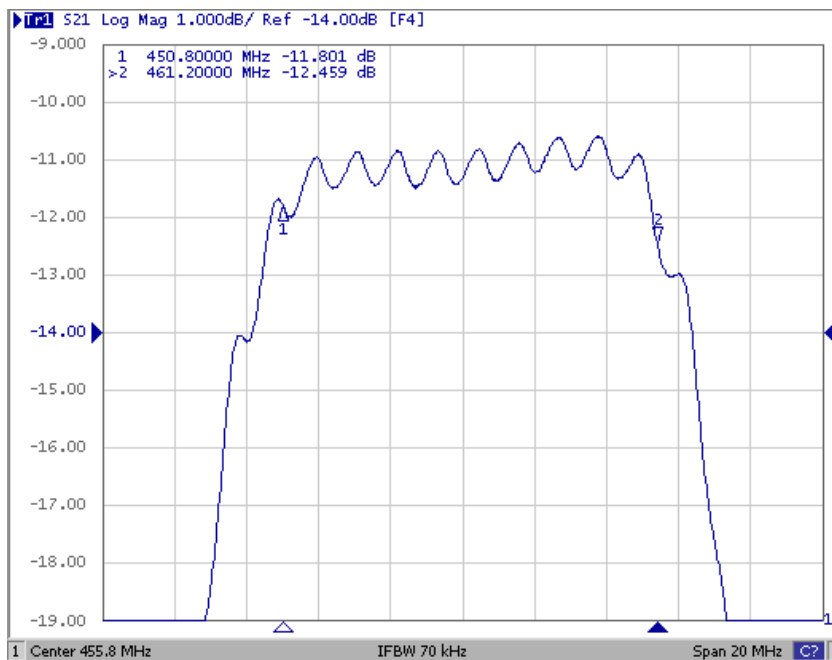


Fig. 2: Horizontal: 2MHz / Div, Vertical: 1dB / Div

SAW Filter 456.0MHz
Part No: MP01279

Model: TB0492A
Rev. No: 2

3. Group Delay Ripple

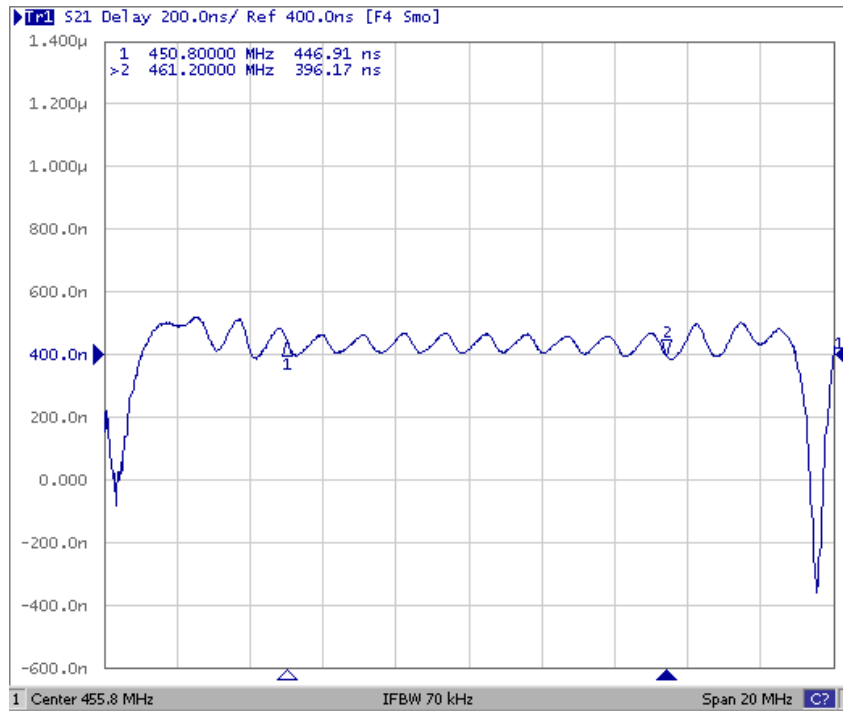


Fig. 2: Horizontal: 2MHz / Div, Vertical: 100nS / Div

4. Wide band Response

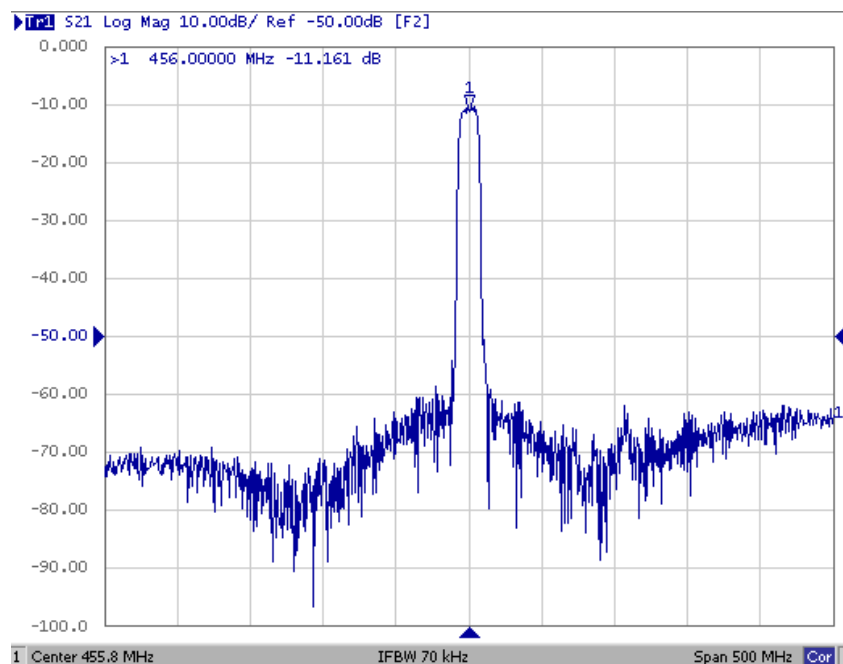
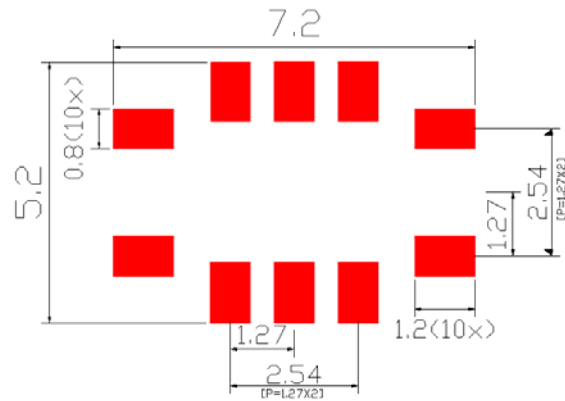


Fig. 4: Horizontal: 50MHz / Div, Vertical: 10dB / Div

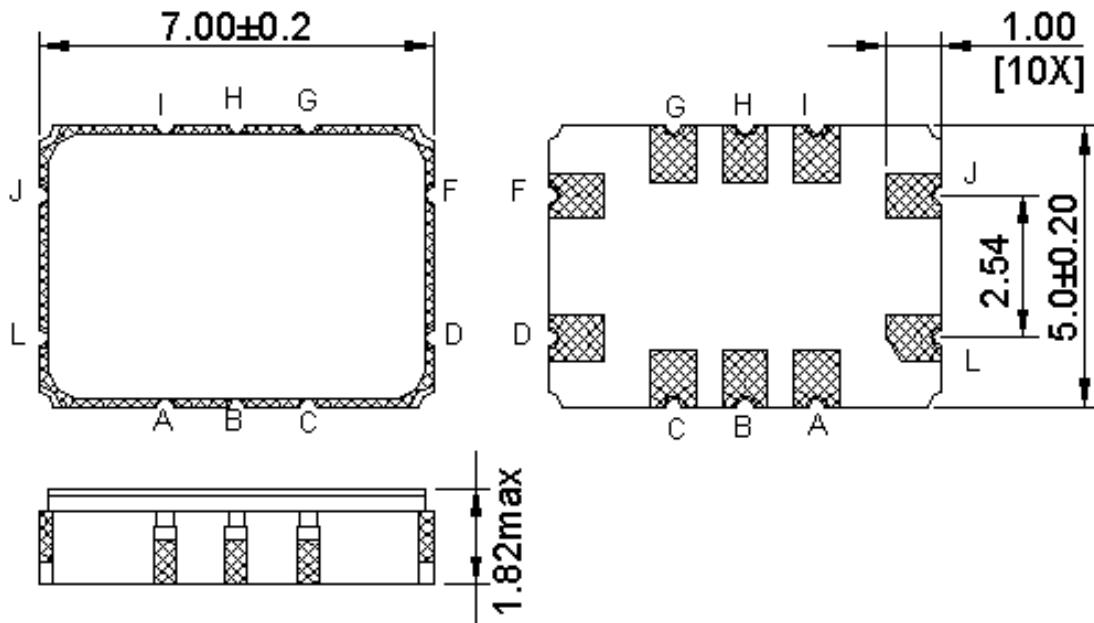
SAW Filter 456.0MHz
Part No: MP01279

Model: TB0492A
Rev. No: 2

E. PCB FOOTPRINT:



F. OUTLINE DRAWING:



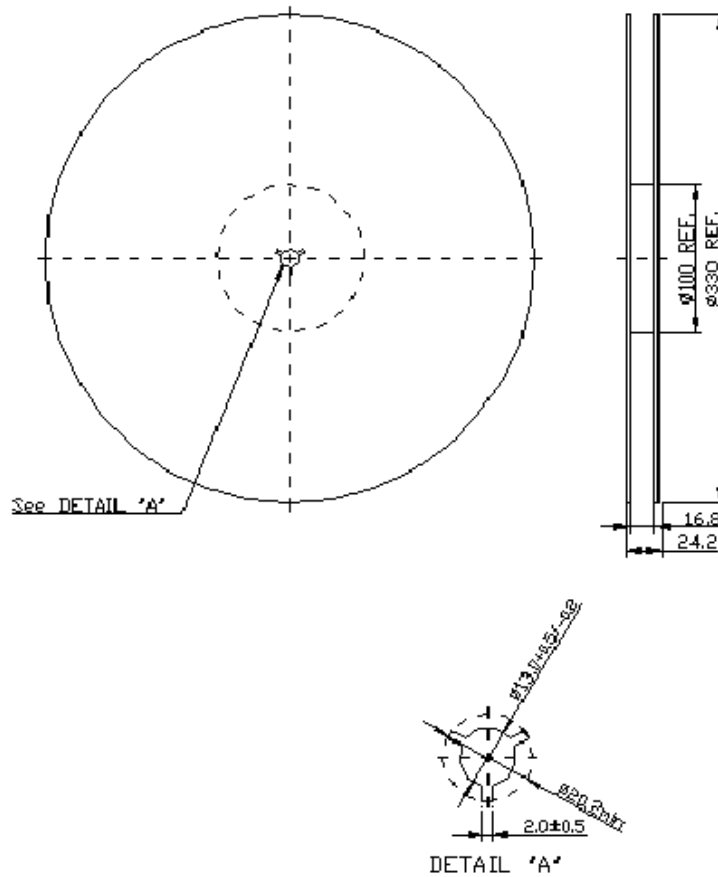
- J: Balanced Input or single ended input
 - D: Balanced Output or single ended Output
 - F: Balanced Input return or single ended Input ground
 - L: Balanced Output return or single ended Output ground
 - A, B, C, G, H, I: To be Ground
- Unit: mm

SAW Filter 456.0MHz
Part No: MP01279

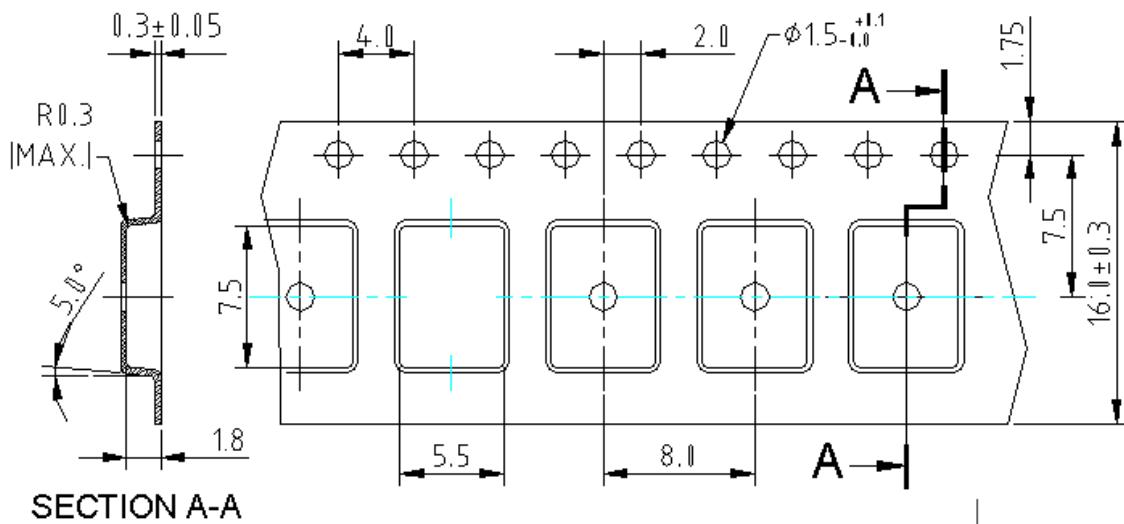
Model: TB0492A
Rev. No: 2

G. PACKING:

1. Reel Dimension



2. Tape Dimension



SAW Filter 456.0MHz
Part No: MP01279

Model: TB0492A
Rev. No: 2

H. RECOMMENDED REFLOW PROFILE:

