

SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

A. MAXIMUM RATING:

1. Operating Temperature: -5°C to +85°C
2. Storage Temperature: -40°C to +85°C
3. Input Power Level: 10dBm
4. Maximum DC Voltage: 10V

B. ELECTRICAL CHARACTERISTICS:

Ambient Temperature: 25°C

Characteristics	Value		
	Min.	Typ.	Max.
Center frequency Fc MHz	-	359.2	-
Maximum Insertion loss IL dB	-	11.5	13.0
1dB Bandwidth MHz	21	24.1	-
Passband Ripple in Fc ± 10.5MHz dB	-	0.2	0.7
Group Delay Ripple in Fc ± 10.5MHz nS	-	17	30
Group Delay Slope		5	
Temp Coefficient ppm/°C		-18	
Attenuation: (Reference level from minimum insertion loss)			
319 ~ 336MHz dB	40	48	-
336 ~ 342MHz dB	40	45	-
374.8 ~ 379MHz dB	-	14	-
379 ~ 401MHz dB	40	44	-
Note: Group Delay compensate with 360MHz Filter			

SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

C. FREQUENCY CHARACTERISTICS:

1. S21 Response: (span: 250MHz)

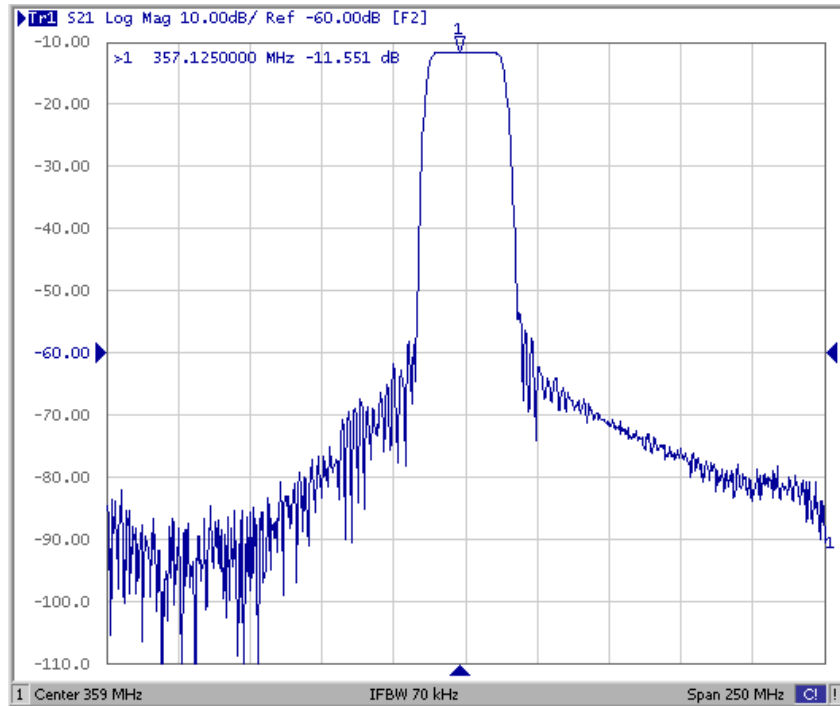


Fig 1. Horizontal: 25MHz / Div, Vertical: 10dB / Div

2. Group-Delay Ripple: (span: 30MHz)

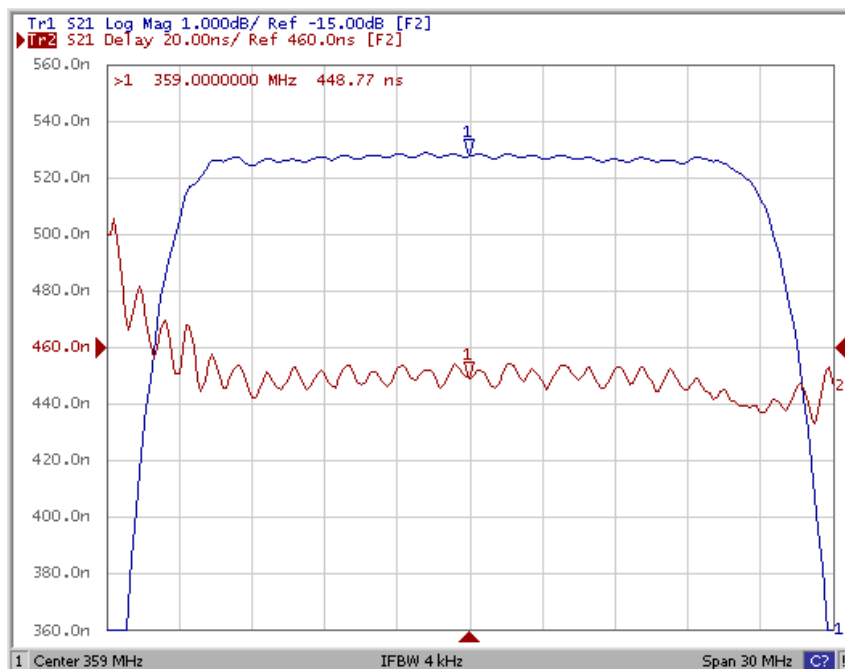
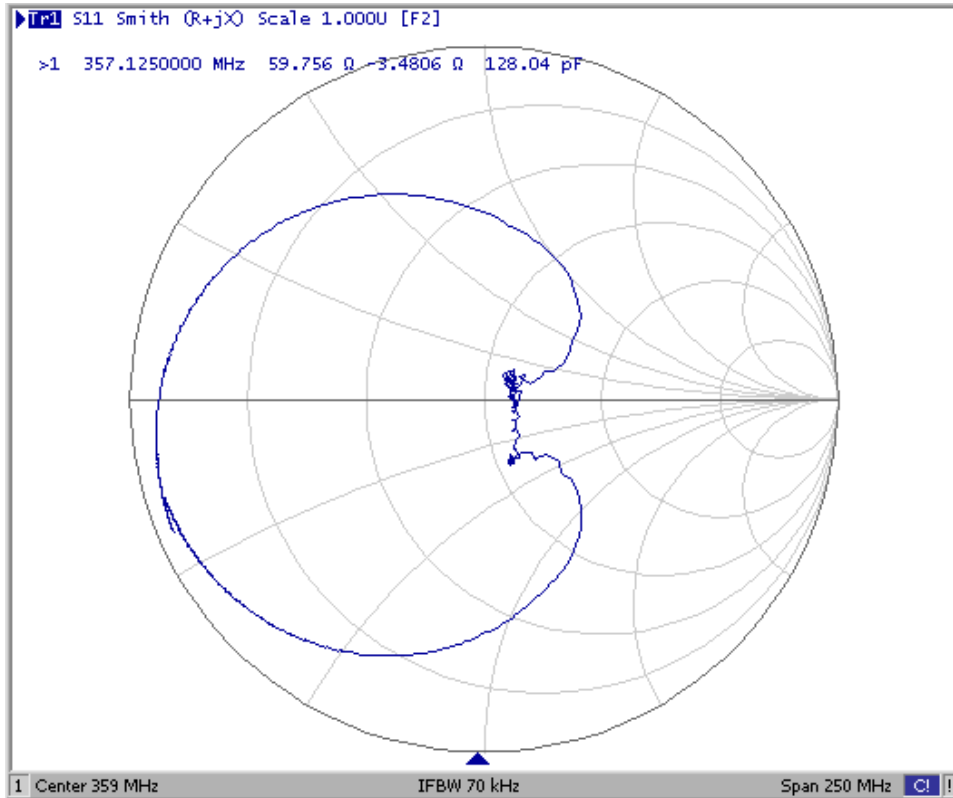


Fig 2. Horizontal: 3.0MHz / Div, Vertical: 20nec / Div

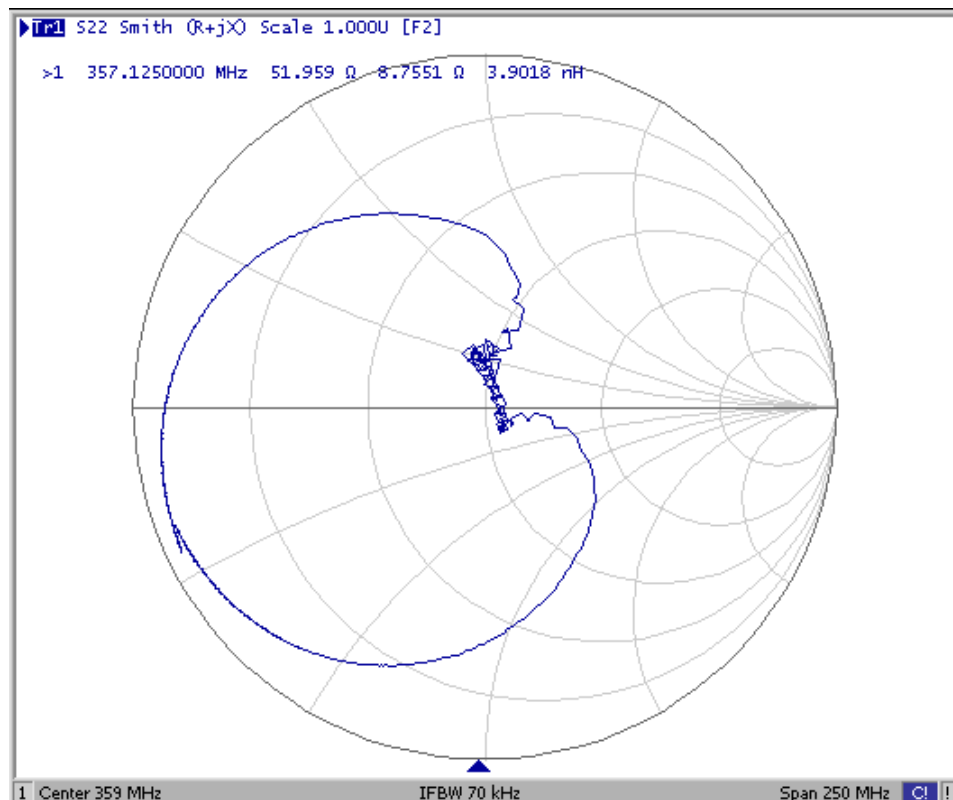
SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

3. S11 Smith Chart: (span: 150MHz)



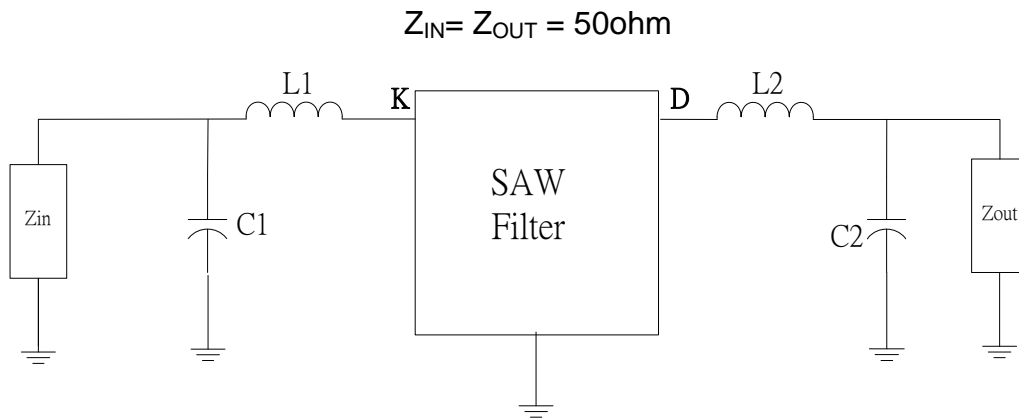
4. S22 Smith Chart (span: 150MHz)



SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

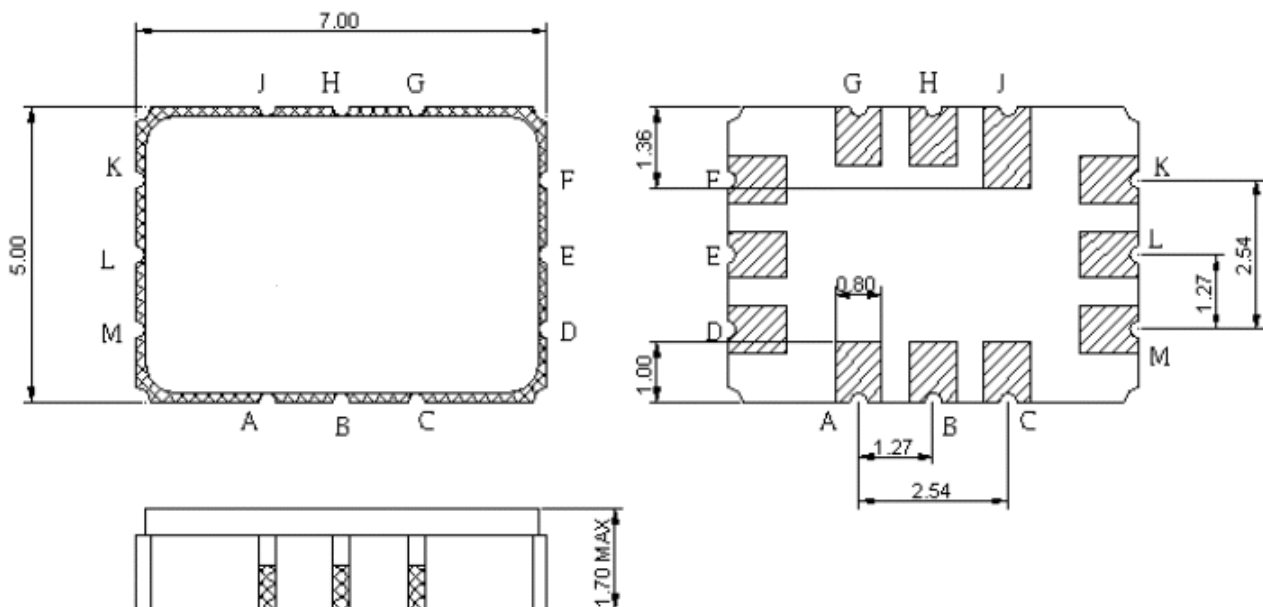
D. MEASUREMENT CIRCUIT:



$Z_{IN} = Z_{OUT} = 50\text{ohm}$

Input: L1 = 27nH; C1 = 18pF
 Output: L2 = 22nH; C2 = 18pF

E. OUTLINE DRAWING:

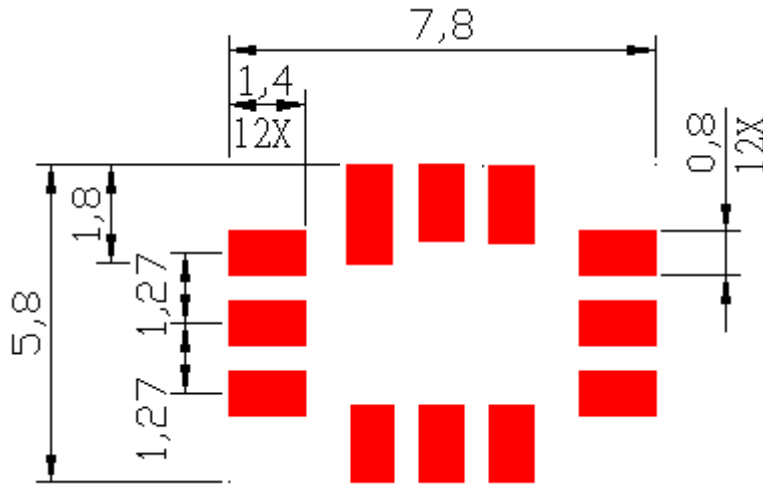


K: RF input
 D: RF output
 A, B, C, D, E, F, G, H, J: To be Ground
 Unit: mm

SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

F. PCB FOOTPRINT:



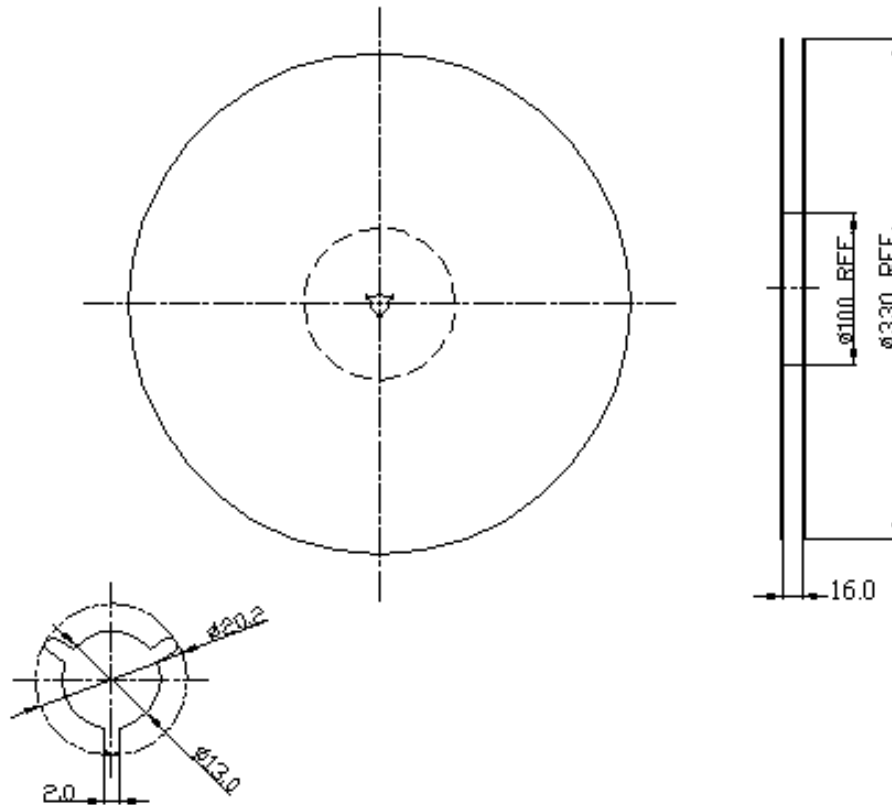
SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

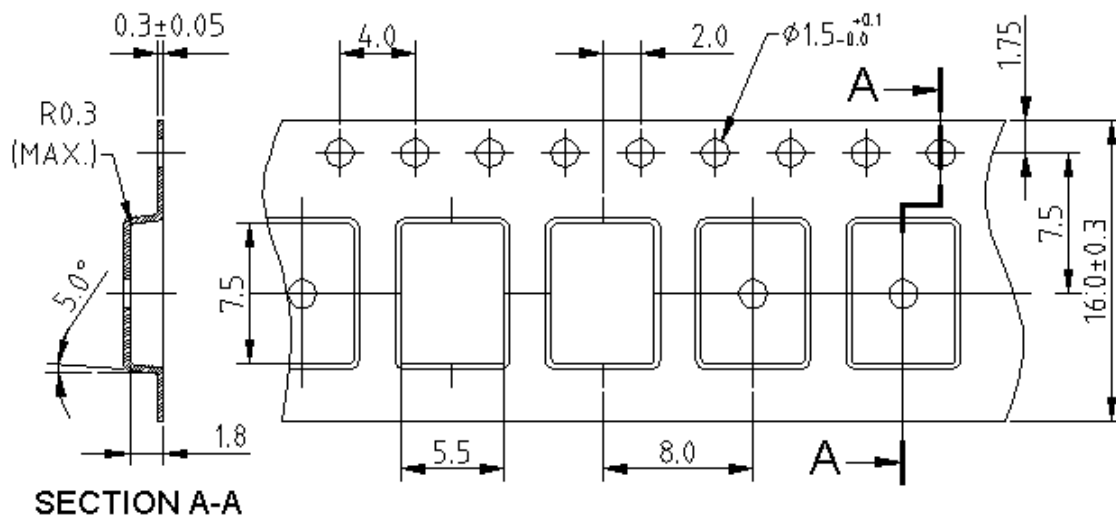
G. PACKING:

1. Reel Dimension

(Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



SAW Filter 359.20MHz
Part No: MP03636

Model: TB0656A
Rev No: 2

H. RECOMMENDED REFLOW PROFILE:

