

SAW Filter 480.0MHz
Part No: MA09805

Model: TB0400A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC Voltage: 10 V
3. Operating Temperature: -10°C to +60°C
4. Storage Temperature: -40°C to +85°C
5. Moisture Sensitive Level: Level 1 (MSL1)

B. ELECTRICAL CHARACTERISTICS:

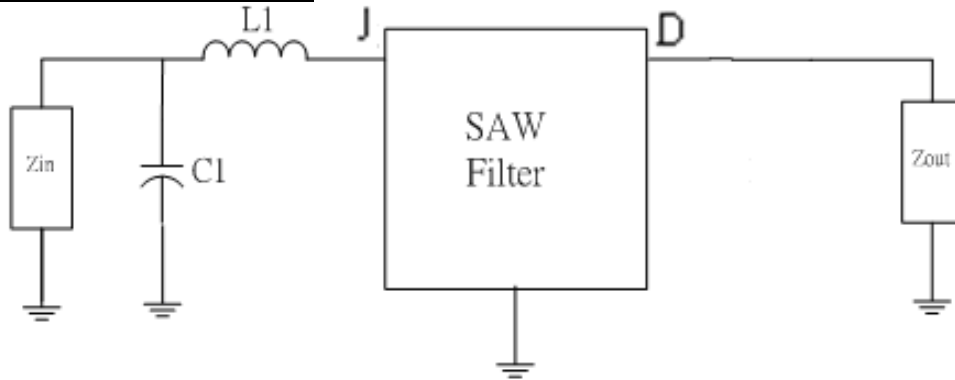
Ambient Temperature: 23°C

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	480	-
Minimum Insertion Loss IL	dB	-	13.0	22.0
3dB Bandwidth	MHz	9.0	12.1	-
35dB Bandwidth	MHz	-	20.0	22.0
Amplitude Ripple (476.4 ~ 483.6MHz)	dB	-	0.4	1.0
Group Delay Variation (475.5 ~ 484.5MHz)	nsec	-	19	50
Source Impedance	Ohm	-	50	-
Load Impedance	Ohm	-	50	-
Temperature Coefficient	ppm/°C	-	-23	-
Substrate Material	-	-	LiTaO3	-

SAW Filter 480.0MHz
Part No: MA09805

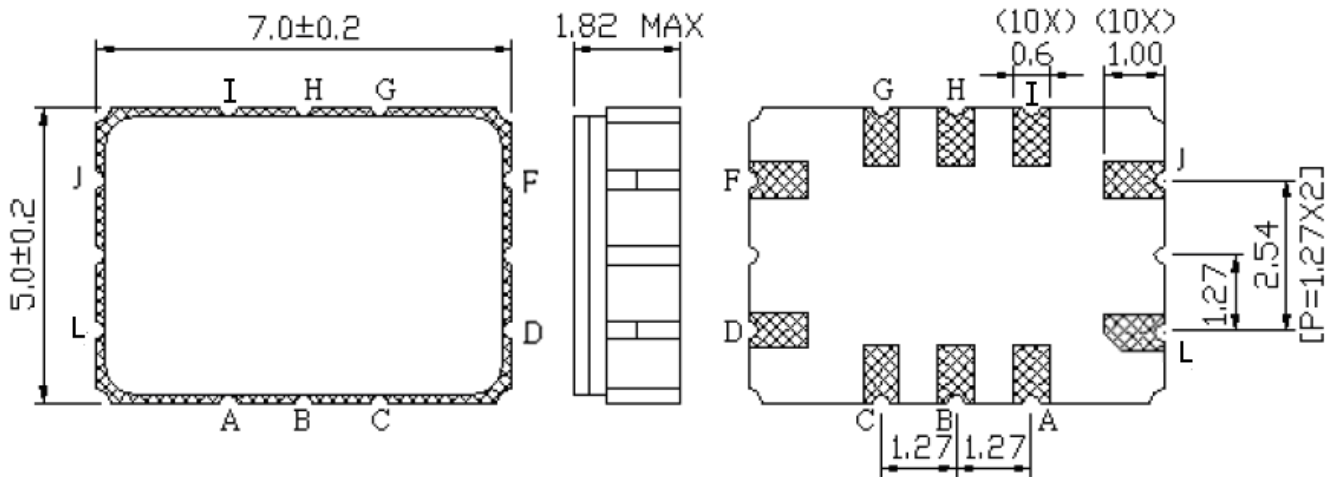
Model: TB0400A
Rev No: 2

C. MEASUREMENT CIRCUIT:



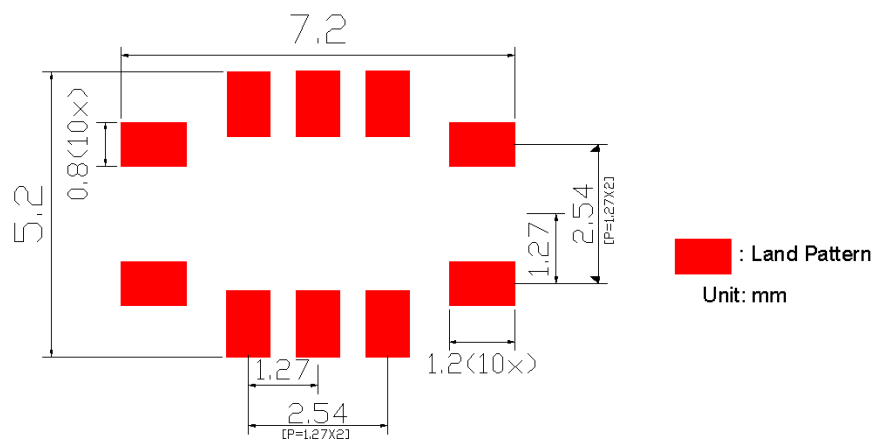
$L1 = 10\text{nH}$, $C1 = 56\text{pF}$

D. OUTLINE DRAWING:



J: Unbalanced Input
 D: Unbalanced Output
 A, B, C, F, G, H, I, L: To be ground
 Unit: mm

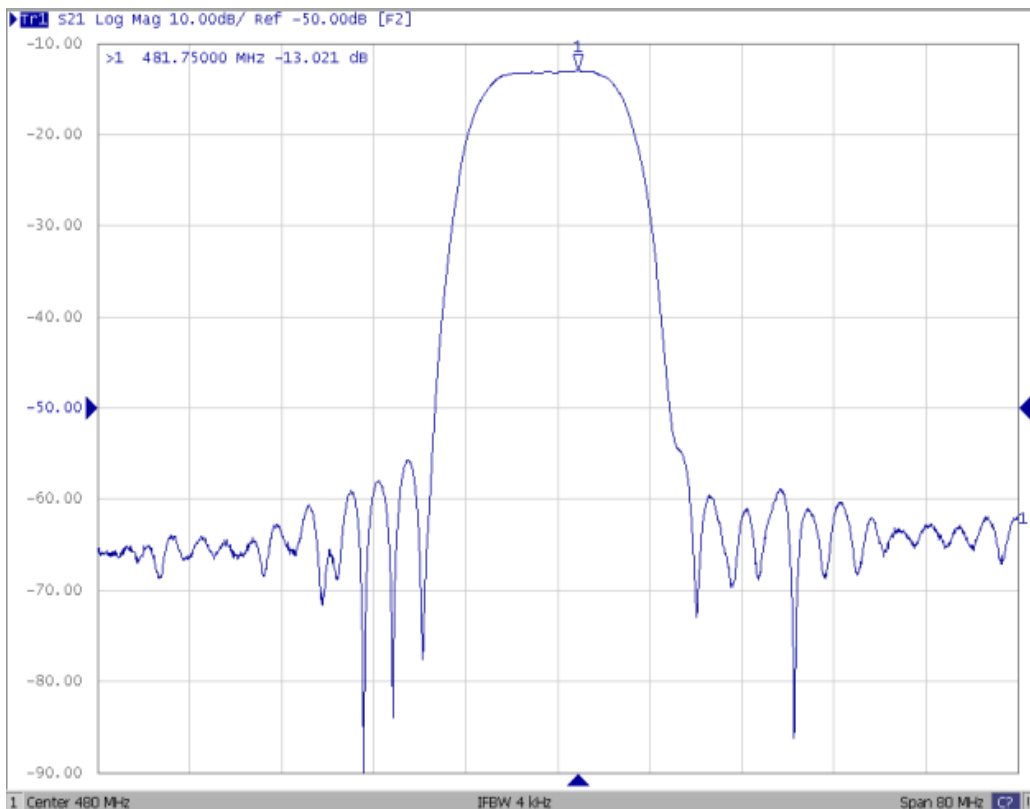
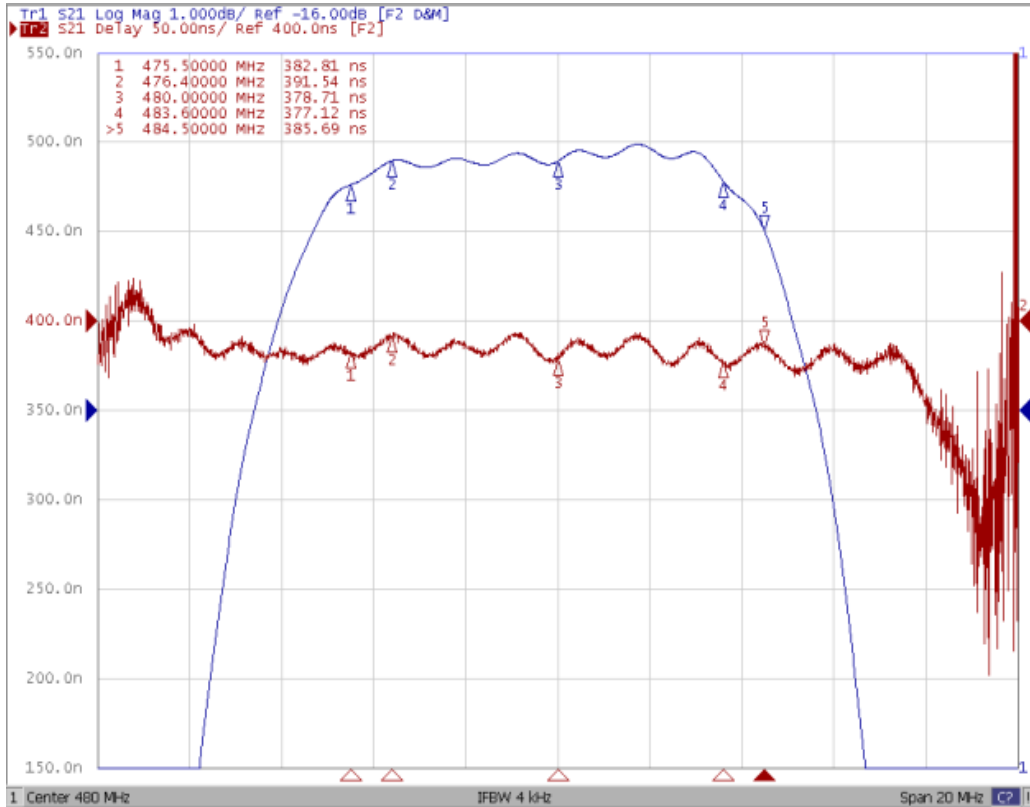
E. PCB FOOTPRINT:



SAW Filter 480.0MHz
Part No: MA09805

Model: TB0400A
Rev No: 2

F. FREQUENCY CHARACTERISTICS:

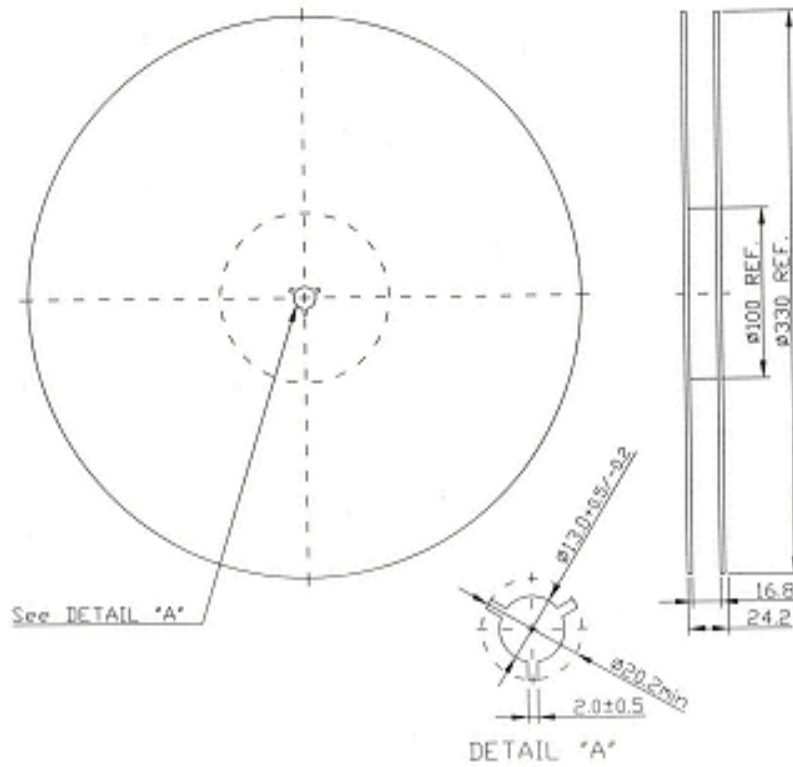


SAW Filter 480.0MHz
Part No: MA09805

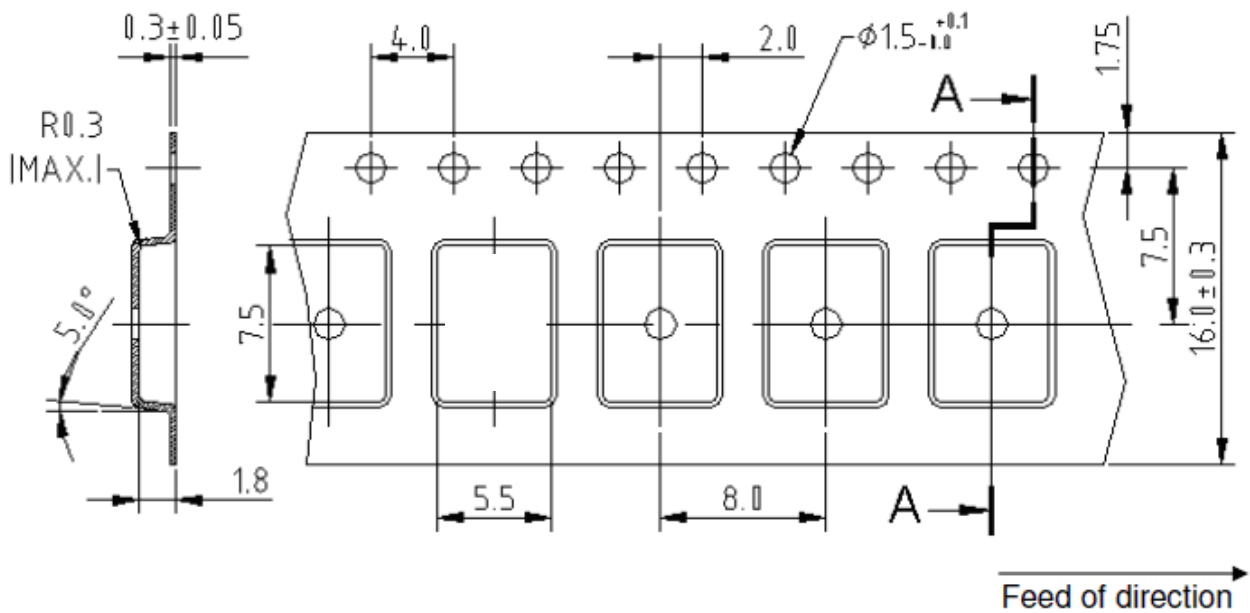
Model: TB0400A
Rev No: 2

G. PACKING:

1. Reel Dimension



2. Tape Dimension



SAW Filter 480.0MHz
Part No: MA09805

Model: TB0400A
Rev No: 2

H. RECOMMENDED REFLOW PROFILE:

1. Preheating shall be fixed at 150 ~ 180°C for 60 ~ 90 seconds.
2. Ascending time to preheating temperature 150°C shall be 30 seconds min.
3. Heating shall be fixed at 220°C for 50 ~ 80 seconds and at 260°C +0/-5°C peak (20 ~ 40 sec).
4. Repeats: Twice maximum

