

SAW Filter 315.0MHz

Model: TA0657C

Part No: MP07597

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

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

B. CHARACTERISTICS:

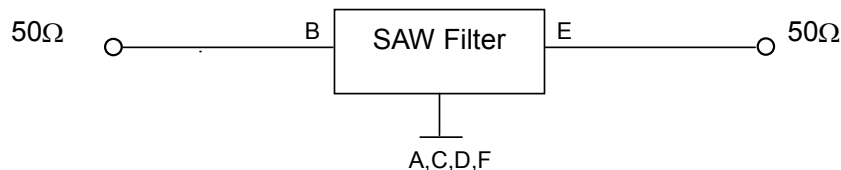
Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	315	-
Insertion loss (314.70 ~ 315.30MHz) IL	dB	-	1.52	2.5
Amplitude ripple (314.70 ~ 315.30MHz)	dB	-	0.4	1.2
VSWR (314.70 ~ 315.30MHz)	-		1.4	1.6
Attenuation (Reference level from IL dB)				
270.0 ~ 286.0MHz	dB	55	65	-
293.0 ~ 293.9MHz	dB	53	60	-
304.0 ~ 304.6MHz	dB	48	60	-
325.4 ~ 326.0MHz	dB	24	30	-
336.1 ~ 337.0MHz	dB	36	52	-
357.5 ~ 358.7MHz	dB	50	60	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-
Temperature coefficient	ppm/k	-	-36	-

Note 1: No matching network required for operation at 50Ω

Note 2: For SiO₂ coating.

C. MEASUREMENT CIRCUIT:

HP Network analyzer



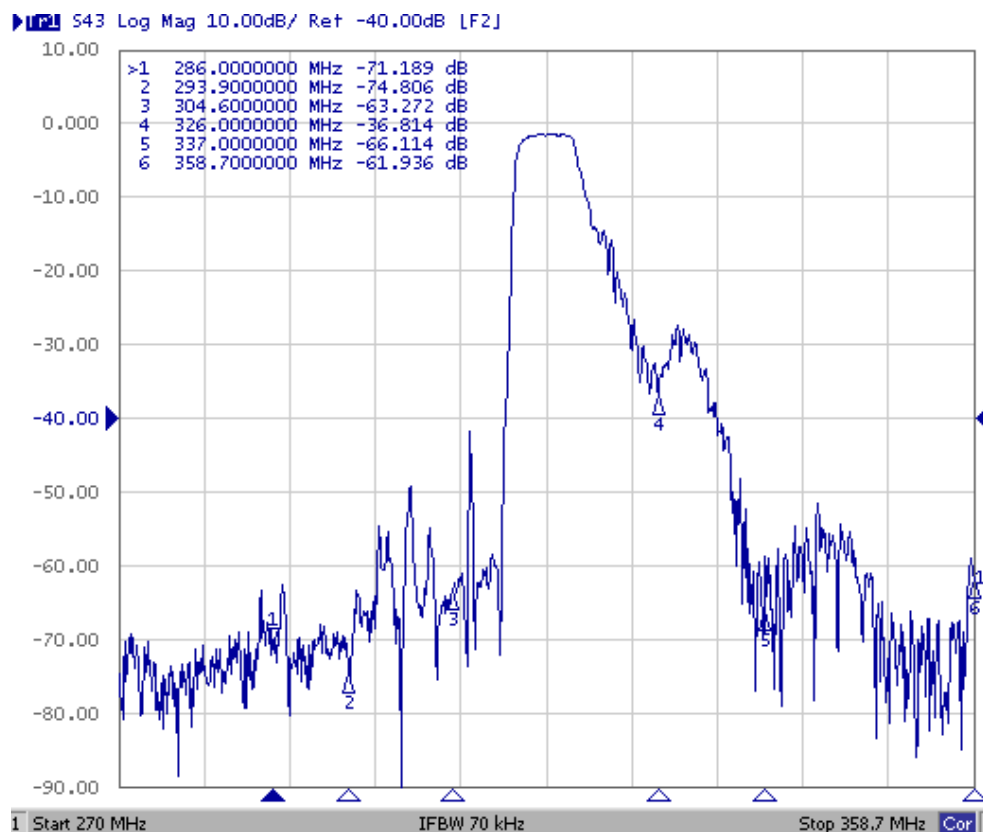
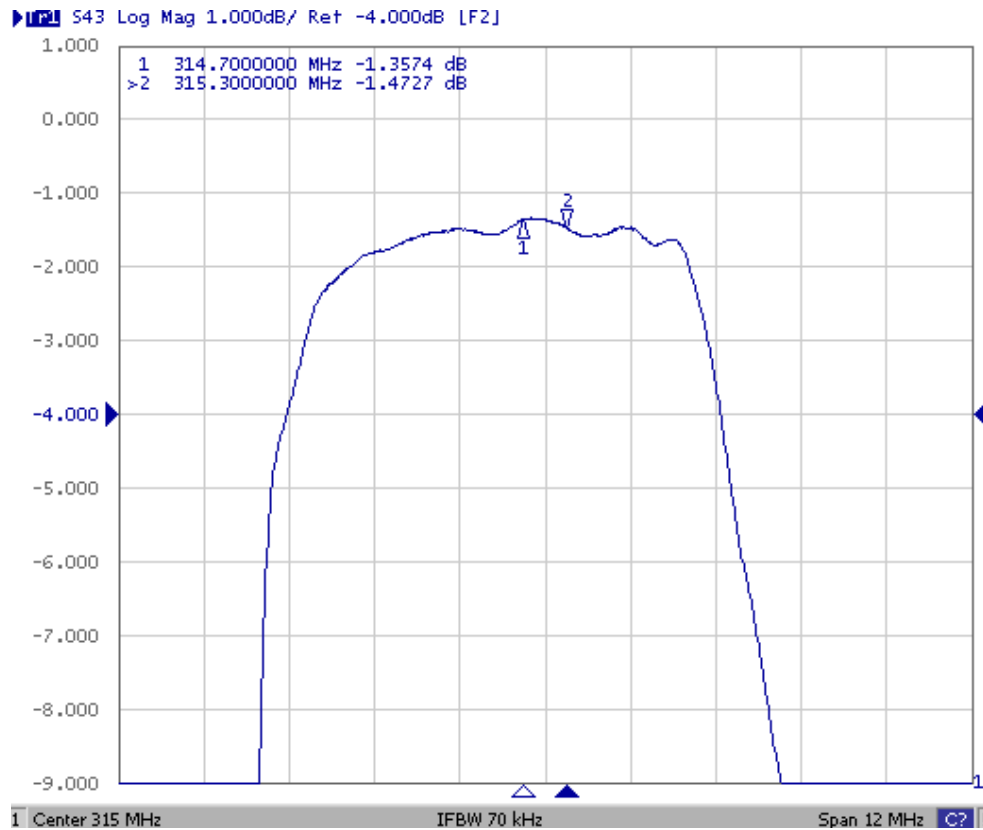
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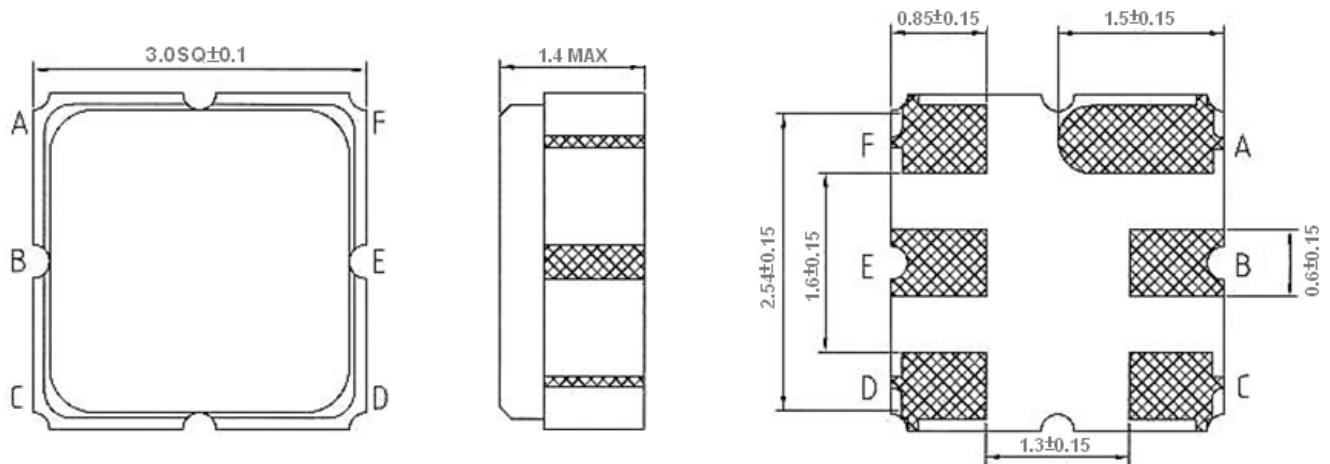
D. FREQUENCY CHARACTERISTIC:



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E. OUTLINE DRAWING:



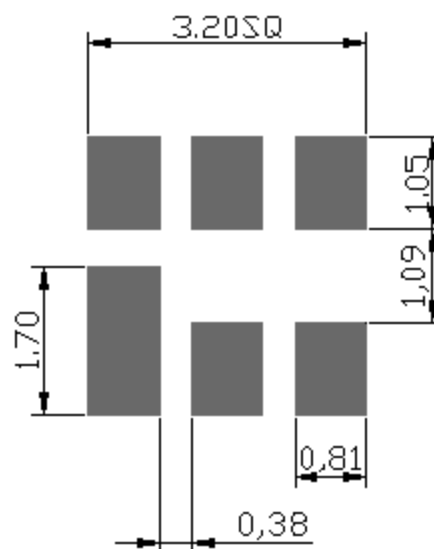
B: Input

E: Output

A, C, D, F: Ground

Unit: mm

F. PCB FOOTPRINT:

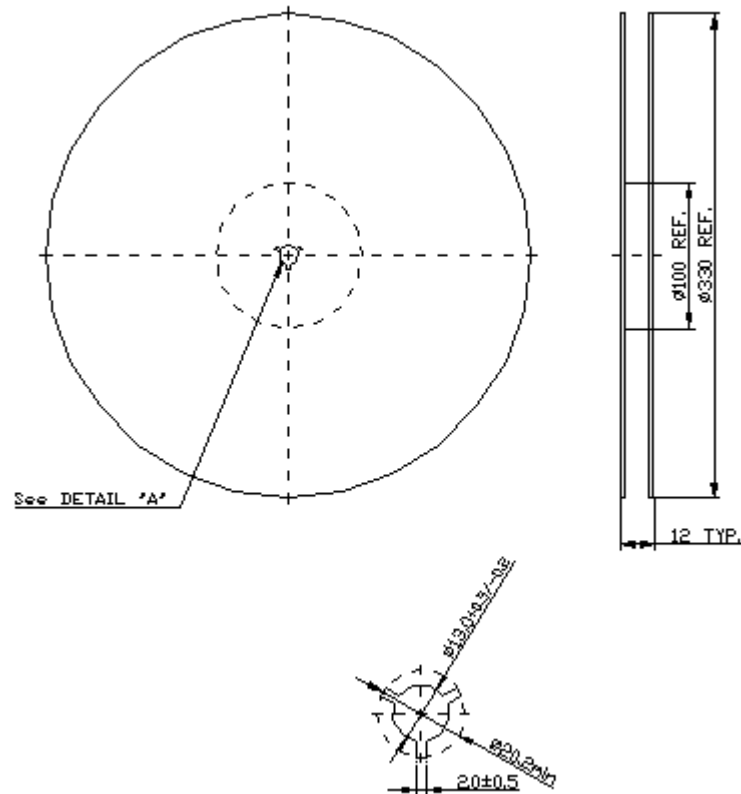


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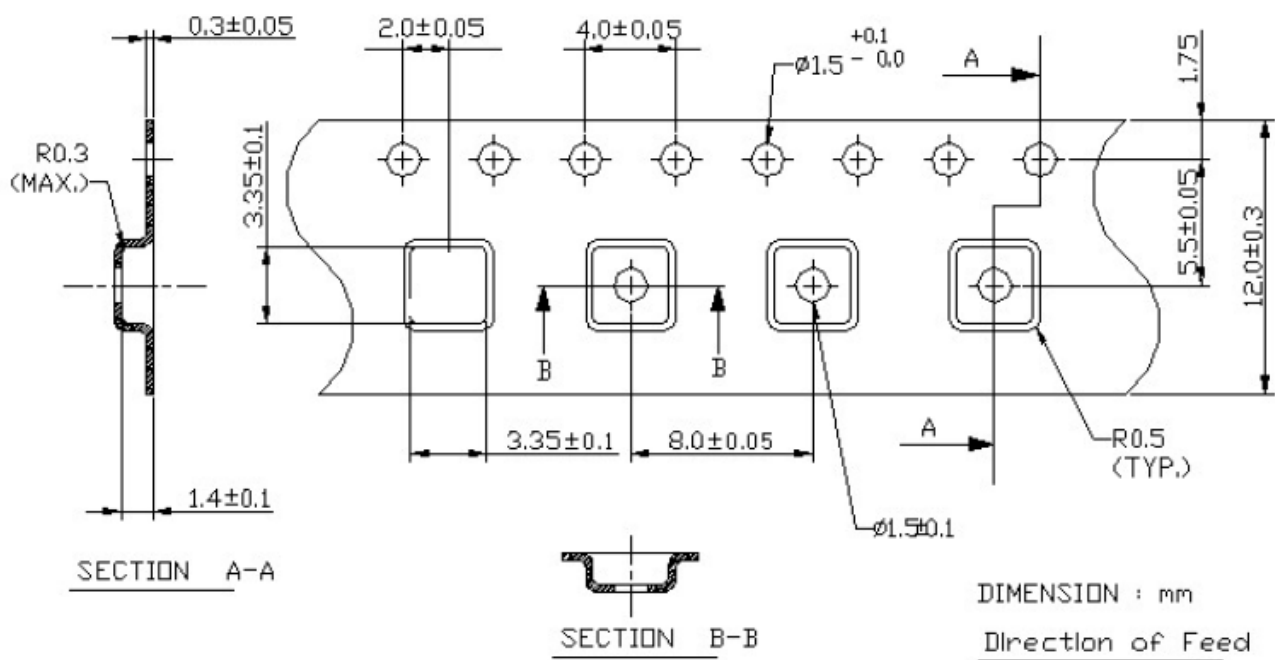
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G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



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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. Time: 2 times.

