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Golledge Electronics Ltd
Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 433.920MHz — Model: TA0944C
Part No: MP07645 — Rev No: 1

A. MAXIMUM RATING:

Electrostatic **S**ensitive **D**evice **(ESD)**

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

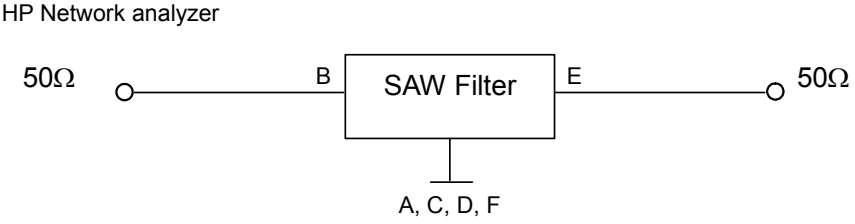
B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	433.92	-
Insertion loss (433.12 ~ 434.72MHz) IL	dB	-	1.8	2.9
Amplitude ripple (433.12 ~ 434.72MHz)	dB	-	0.4	1.0
VSWR (433.12 ~ 434.72MHz)	-	-	1.6	2.0
Attenuation (Reference level from 0dB)				
10.0 ~ 380.0MHz	dB	58	61	-
380.00 ~ 423.420MHz	dB	46	50	-
443.42 ~ 453.420MHz	dB	25	30	-
453.42 ~ 460.0MHz	dB	35	40	
460.00 ~ 700.0MHz	dB	50	54	
700.00 ~ 1000.0MHz	dB	42	46	
Source impedance Z_S	Ω	-	50	-
Load impedance Z_L	Ω	-	50	-

Notes:

1. No matching network required for operation at 50Ω.
2. For SiO_2 coating.

C. MEASUREMENT CIRCUIT:

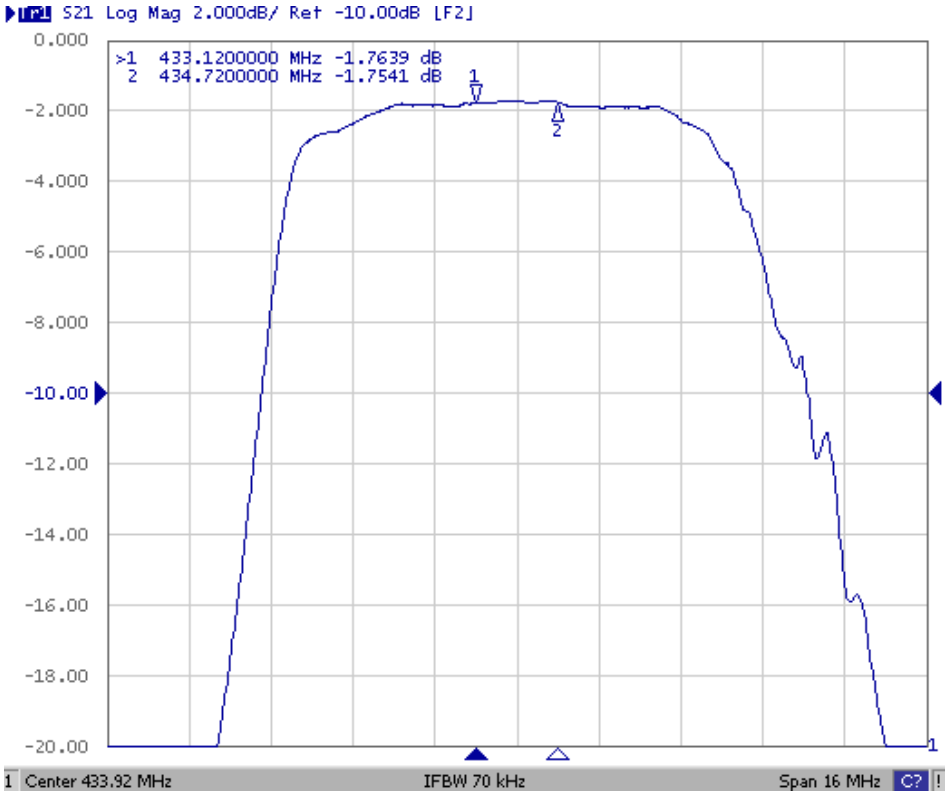


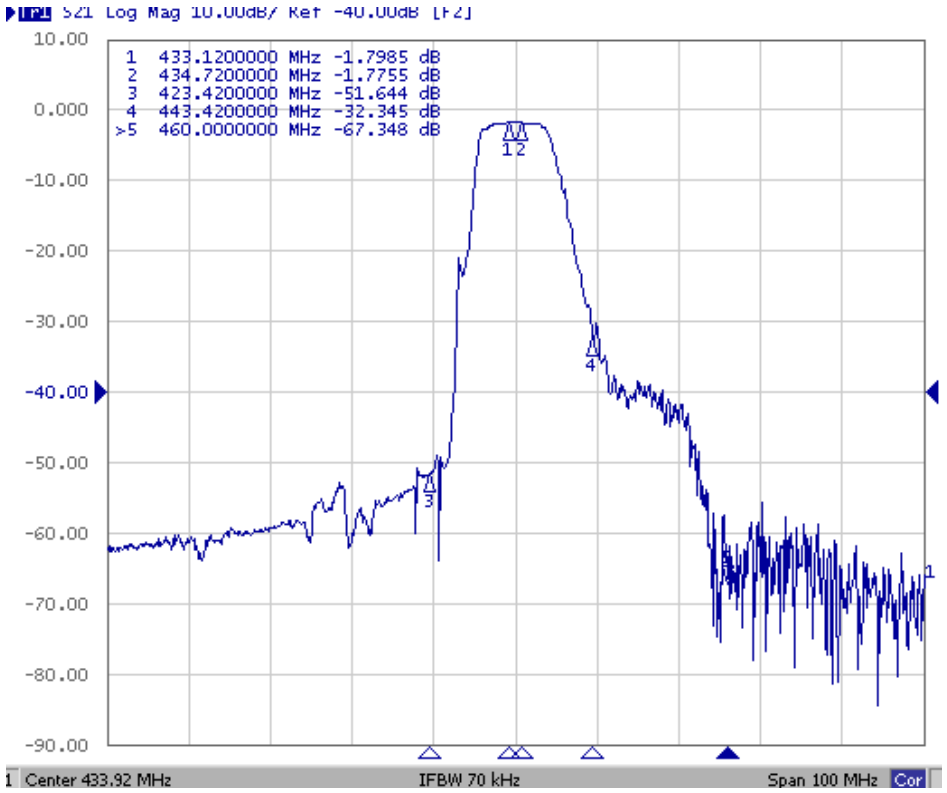
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D. FREQUENCY CHARACTERISTICS:

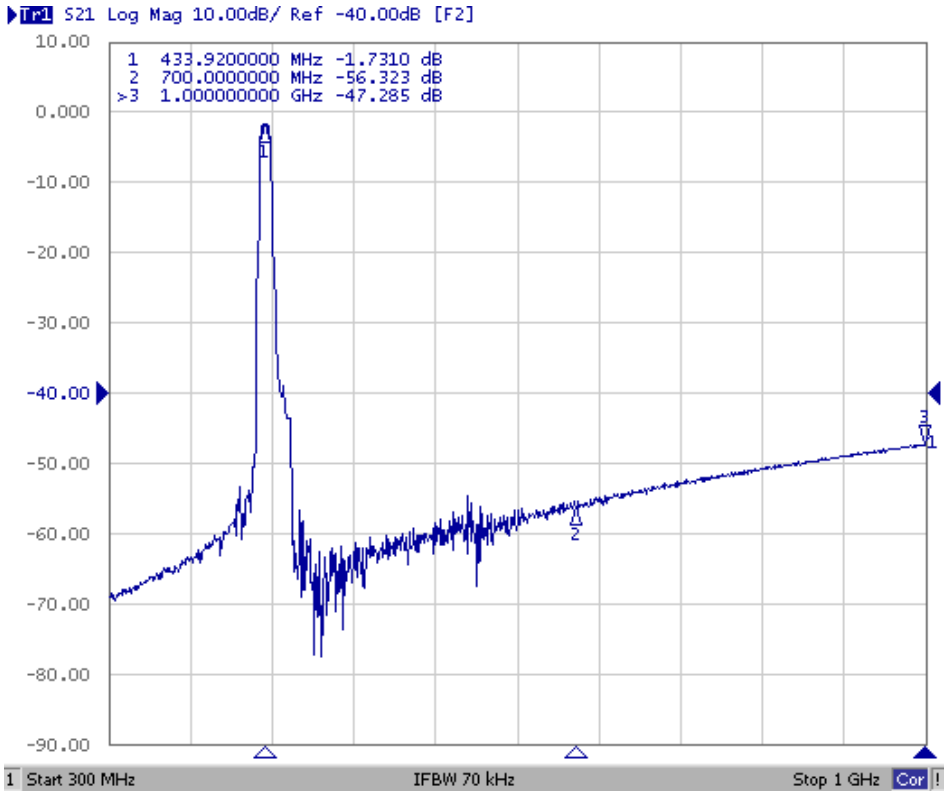
1. Transfer function



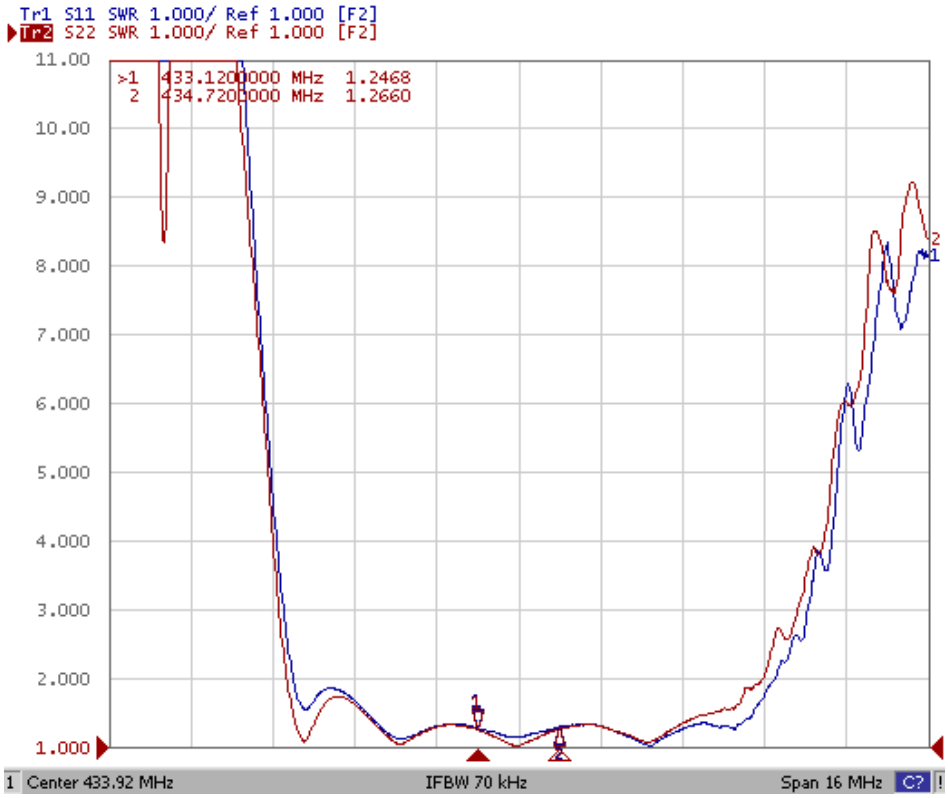


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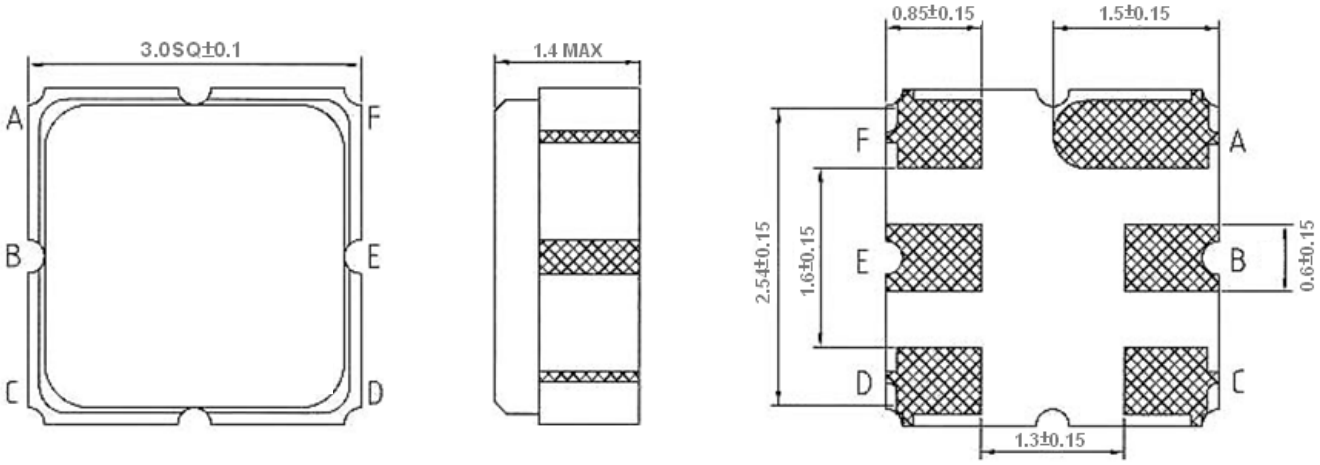
2. Reflection Functions



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E. OUTLINE DRAWING:



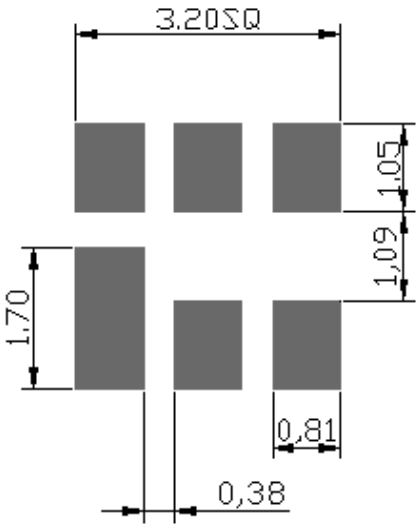
B: Input

E: Output

A, C, D, F: Ground

Unit: mm

F. PCB FOOTPRINT:

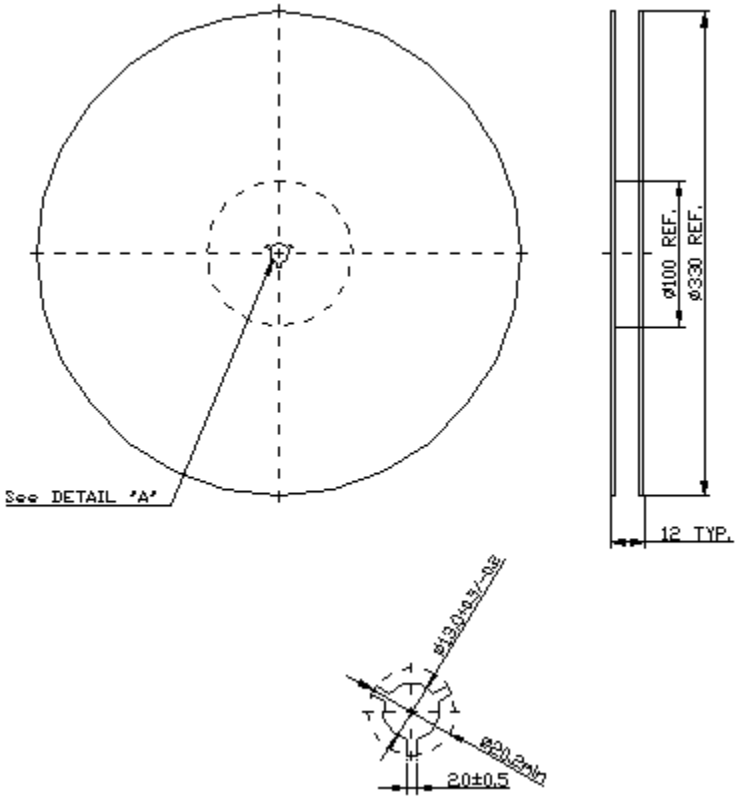


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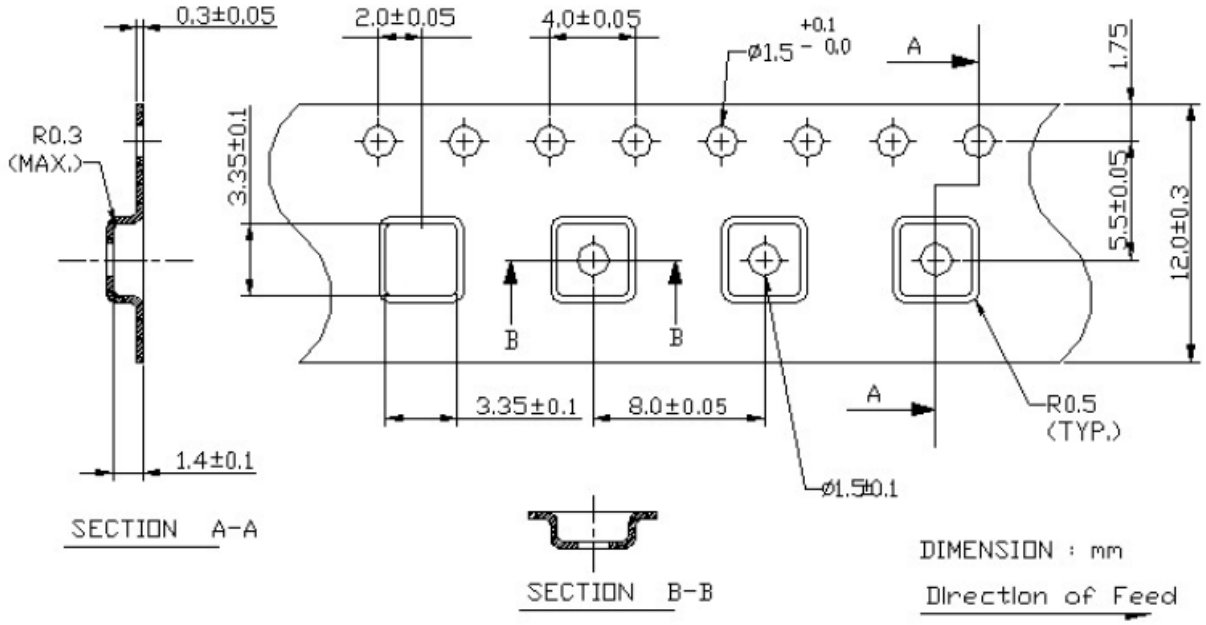
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G. PACKING:

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.

