

SAW Filter 433.92MHz
Part No: MP03125

Model: TA0944A
Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

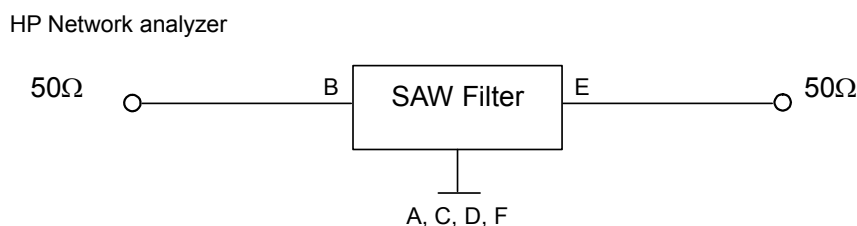
1. Input Power Level: 15dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to 85°C
4. Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MH	-	433.92	-
Insertion loss 433.12 ~ 434.72MHz IL	dB	-	2.2	2.9
Amplitude ripple 433.12 ~ 434.72MHz	dB	-	0.4	1.0
VSWR S11 S22	-	-	1.6	2.0
Attenuation (Reference level from 0dB)				
10.0 ~ 380.00MHz	dB	58	61	-
380.00 ~ 423.42MHz	dB	46	50	-
443.42 ~ 453.42MHz	dB	25	30	-
453.42 ~ 460.00MHz	dB	35	40	-
460.00 ~ 700.00MHz	dB	50	54	-
700.00 ~ 1000.00MHz	dB	42	46	-
Source impedance Z _S	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

Note: No matching network required for operation at 50Ω

C. MEASUREMENT CIRCUIT:

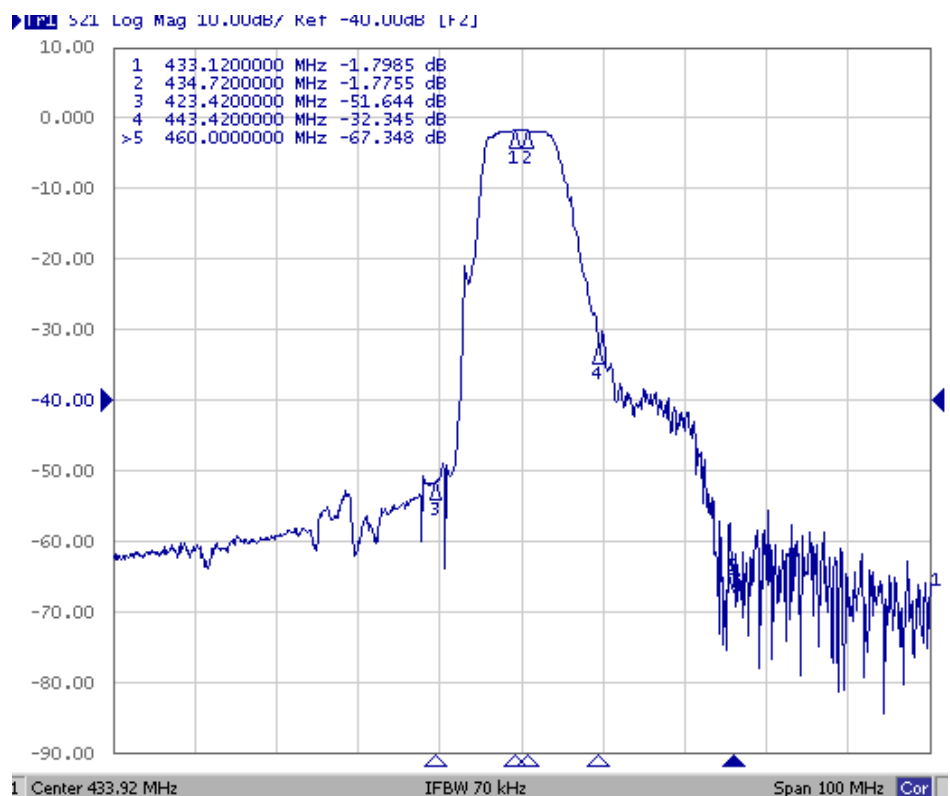
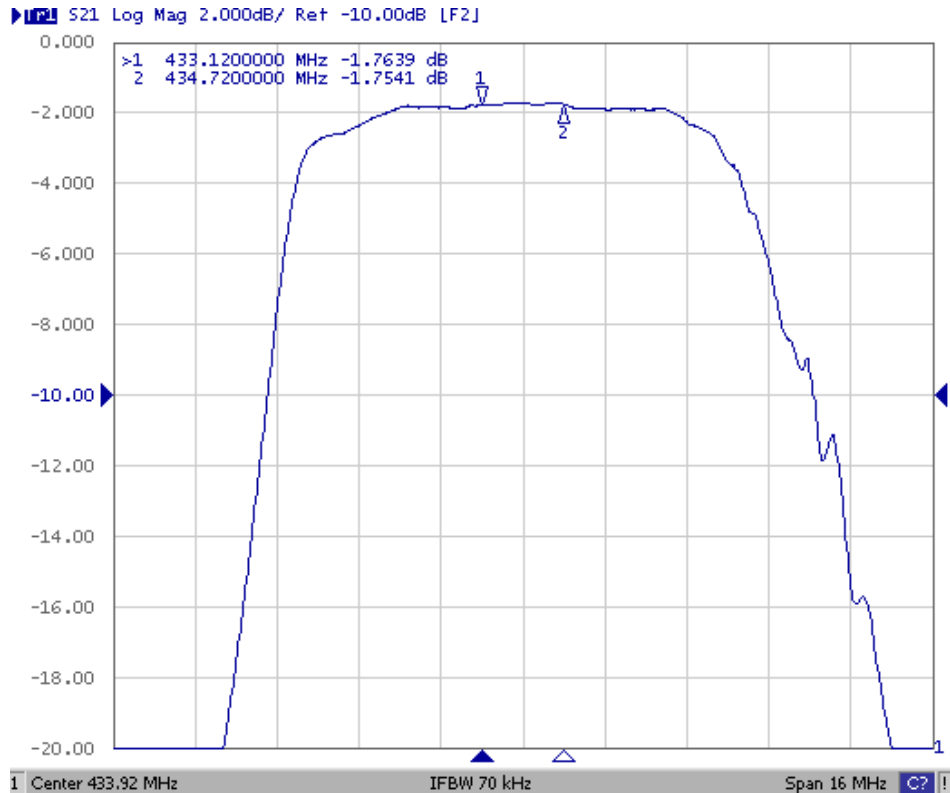


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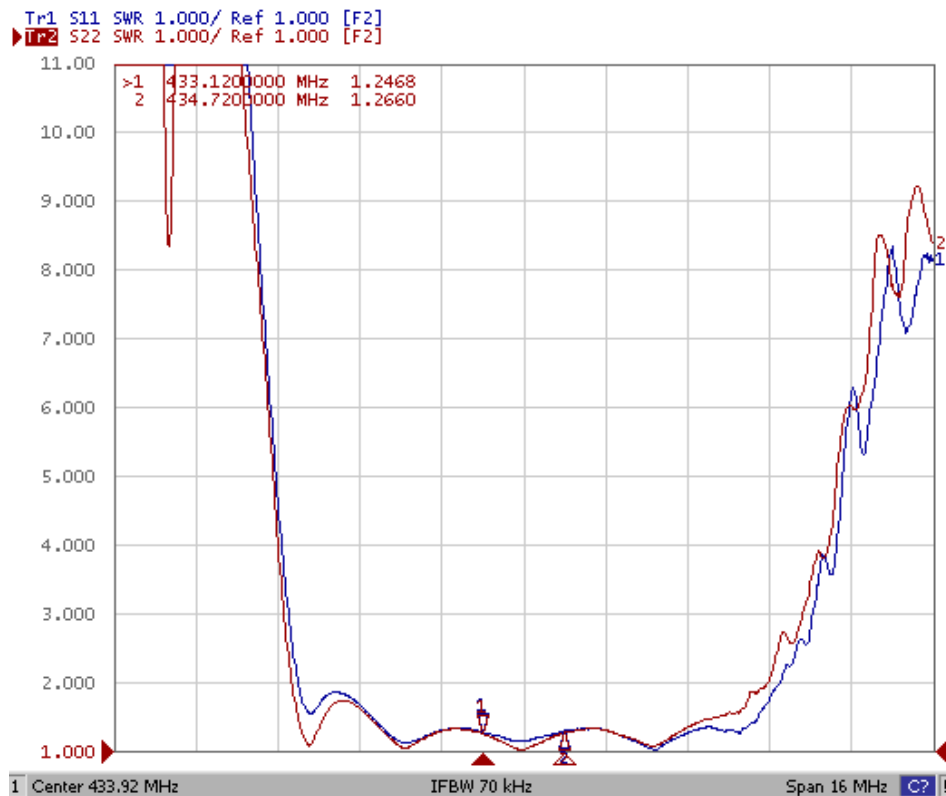
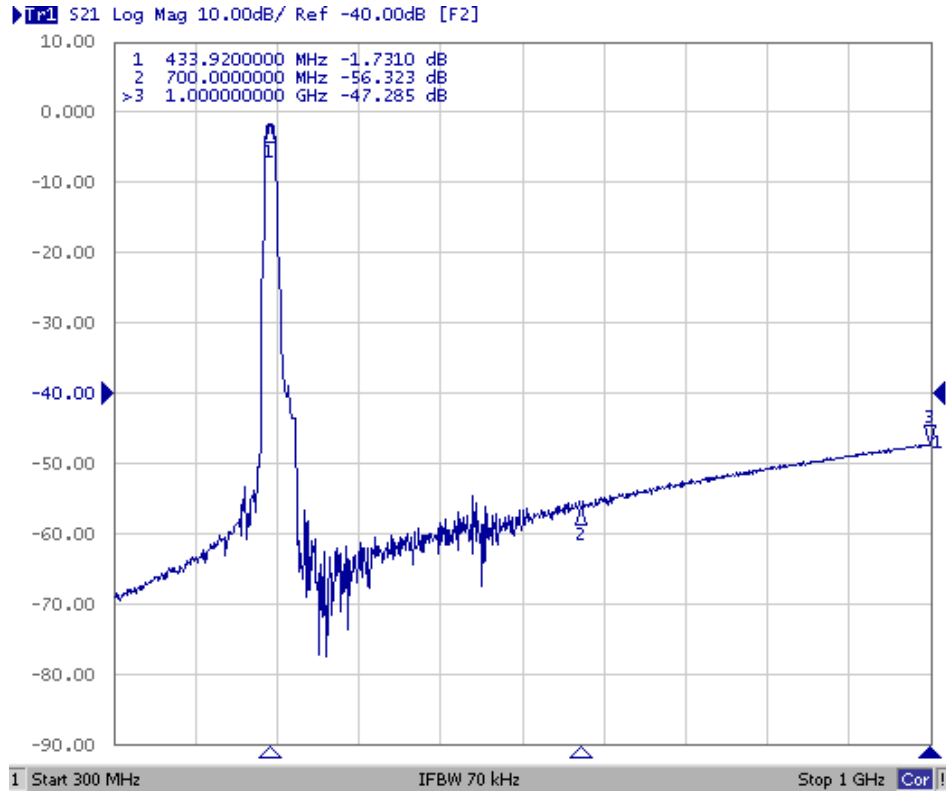
D. FREQUENCY CHARACTERISTICS:

Transfer Function



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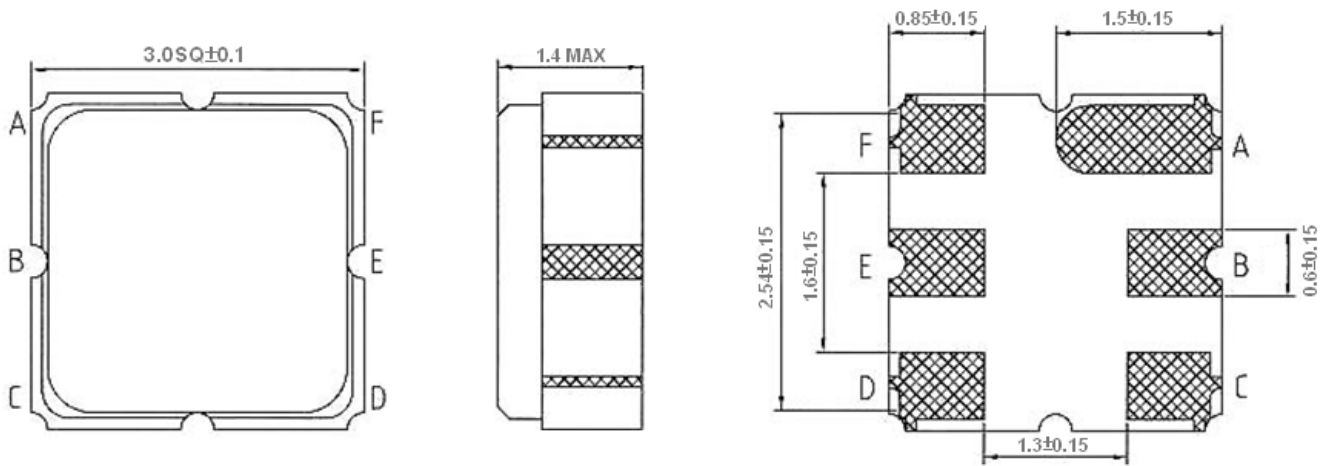
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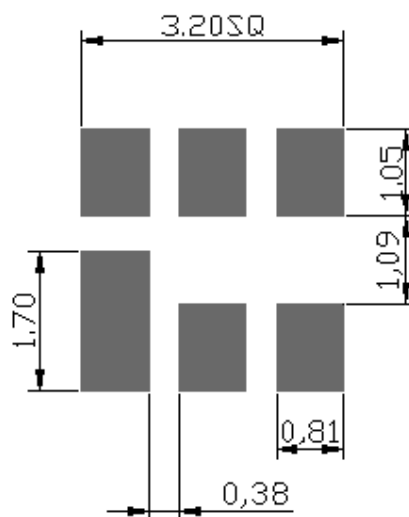
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E. OUTLINE DRAWING:



B: Input
E: Output
A, C, D, F: Ground
Unit: mm

F. PCB FOOTPRINT:



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H. RECOMMENDED REFLOW PROFILE:

