

SAW Filter 423.0MHz

Model: TA1562A

Part No: MP07251

Rev No: 2

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

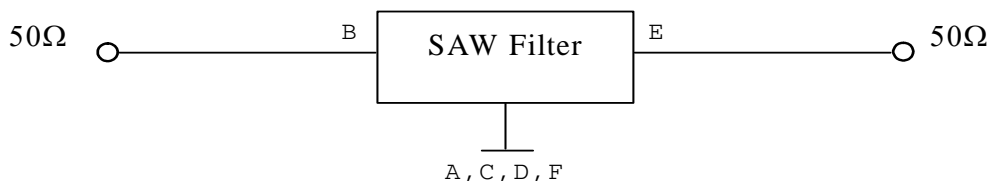
1. Input Power Level: 20dBm
2. DC Voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	423	-
Insertion Loss (422 ~ 424MHz) IL	dB	-	1.7	3.0
Amplitude Ripple (422 ~ 424MHz)	dB	-	0.2	1.2
VSWR (422 ~ 424MHz)	-	-	1.3	2.2
Attenuation (Reference level from 0dB)				
10 ~ 380MHz	dB	55	70	-
380 ~ 405MHz	dB	45	58	-
440 ~ 450MHz	dB	30	41	-
450 ~ 700MHz	dB	50	58	-
700 ~ 1000MHz	dB	42	53	-
Temperature coefficient of frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

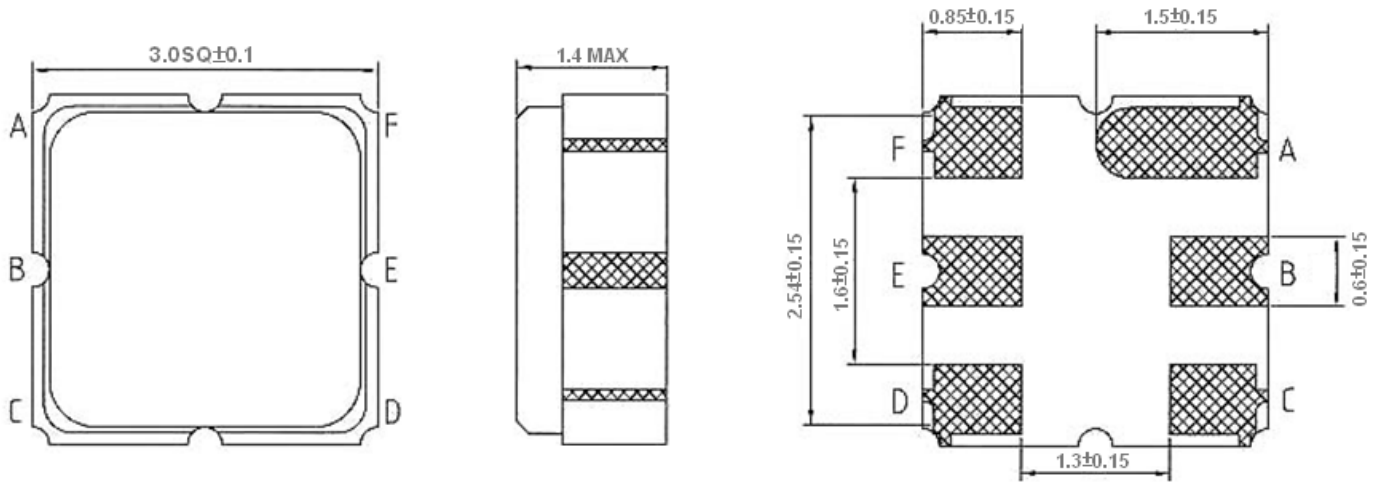
HP Network analyzer



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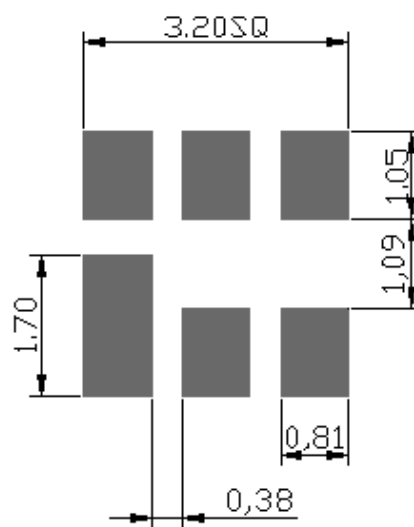
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D. OUTLINE DRAWING:



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

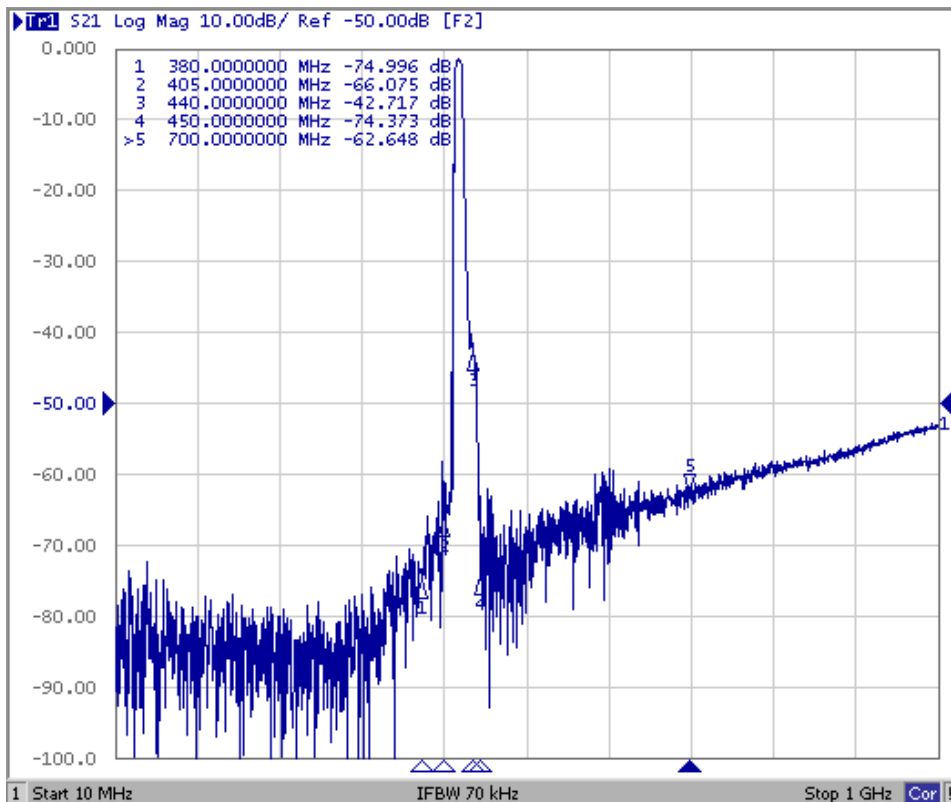
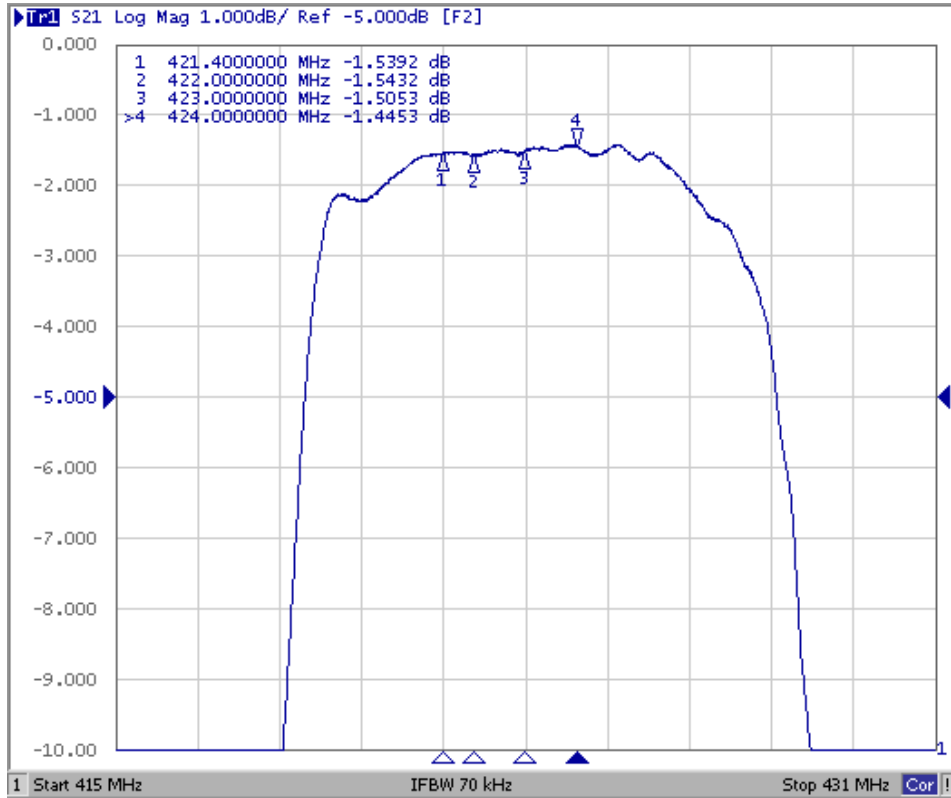
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

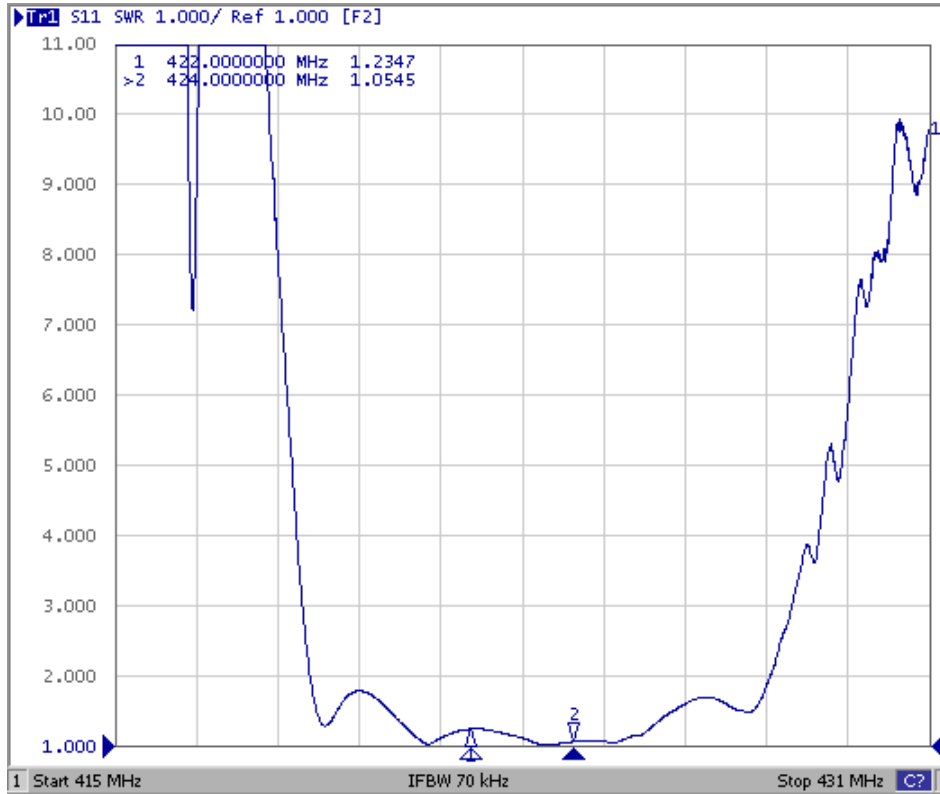


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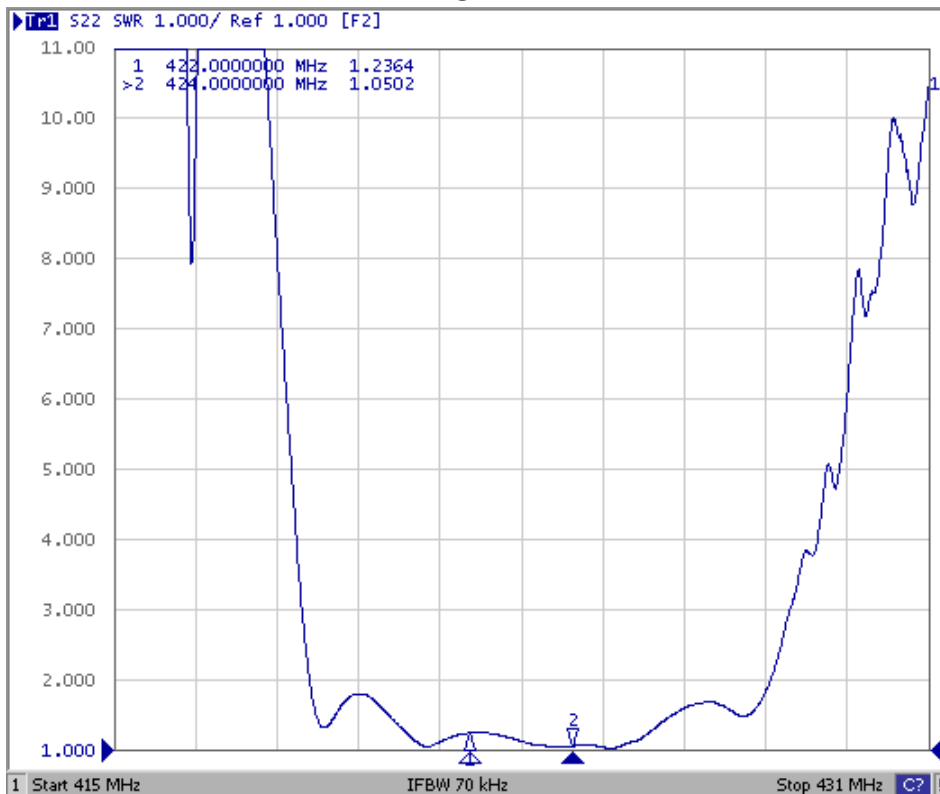
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Reflection Functions

S11



S22

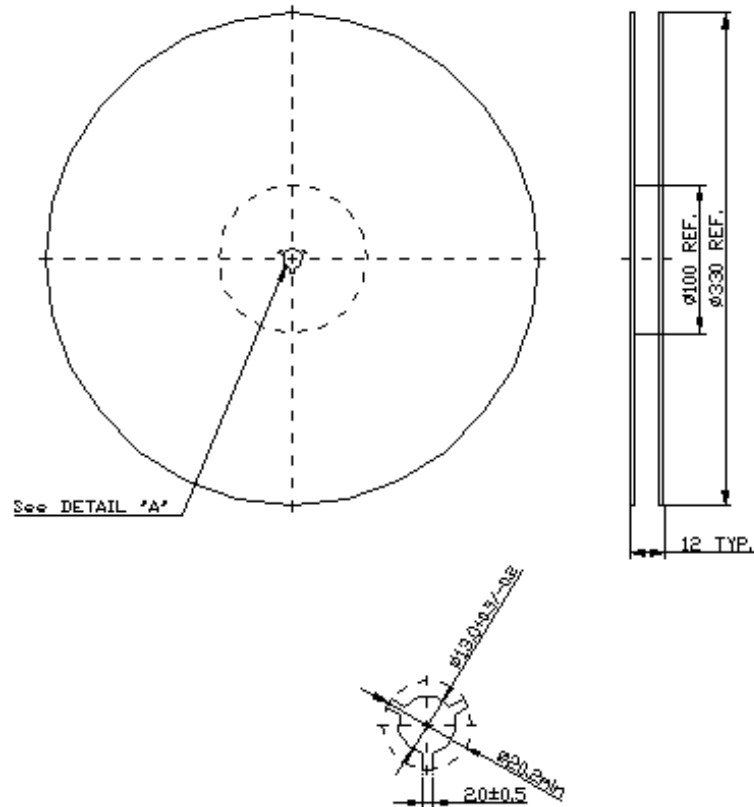


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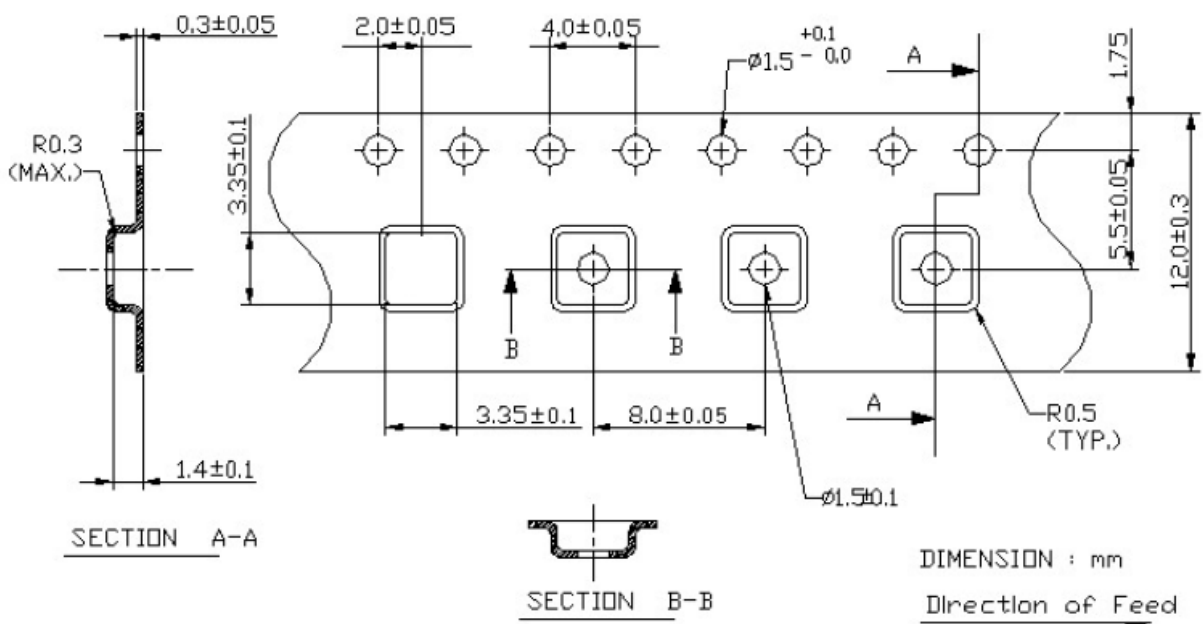
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G. PACKING:

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 250 ± 10° peak (max. 10 sec).
4. Time: 2 times.

