

SAW Filter 460.0MHz
Part No: MP09061

Model No: TA2207A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -30°C to 70°C
4. Storage Temperature: -40°C to +85°C

B. CHARACTERISTICS:

Ambient Temperature: 25°C

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	460	-
Insertion loss IL (447 ~ 473MHz)	dB	-	2.2	3.5
VSWR (447 ~ 473MHz)	-	-	1.8	2.2
1dB Bandwidth	MHz	25	30	-
Attenuation (reference from 0dB)				
10 ~ 160MHz	dB	35	52	-
220 ~ 375MHz	dB	30	50	-
375 ~ 390MHz	dB	25	47	-
390 ~ 415MHz	dB	15	43	-
502 ~ 535MHz	dB	15	29	-
535 ~ 545MHz	dB	25	46	-
545 ~ 665MHz	dB	30	44	-
665 ~ 800MHz	dB	27	40	-
Source impedance, Z _S	Ω	-	50	-
Load impedance, Z _L	Ω	-	50	-

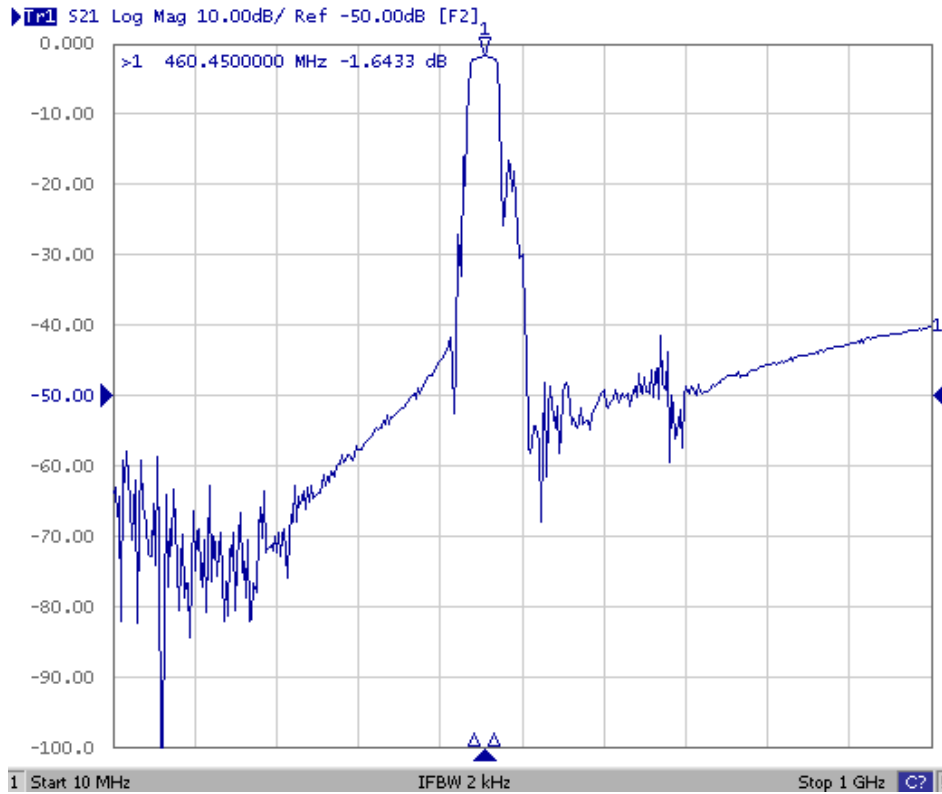
Note: No matching network required for operation at 50Ω

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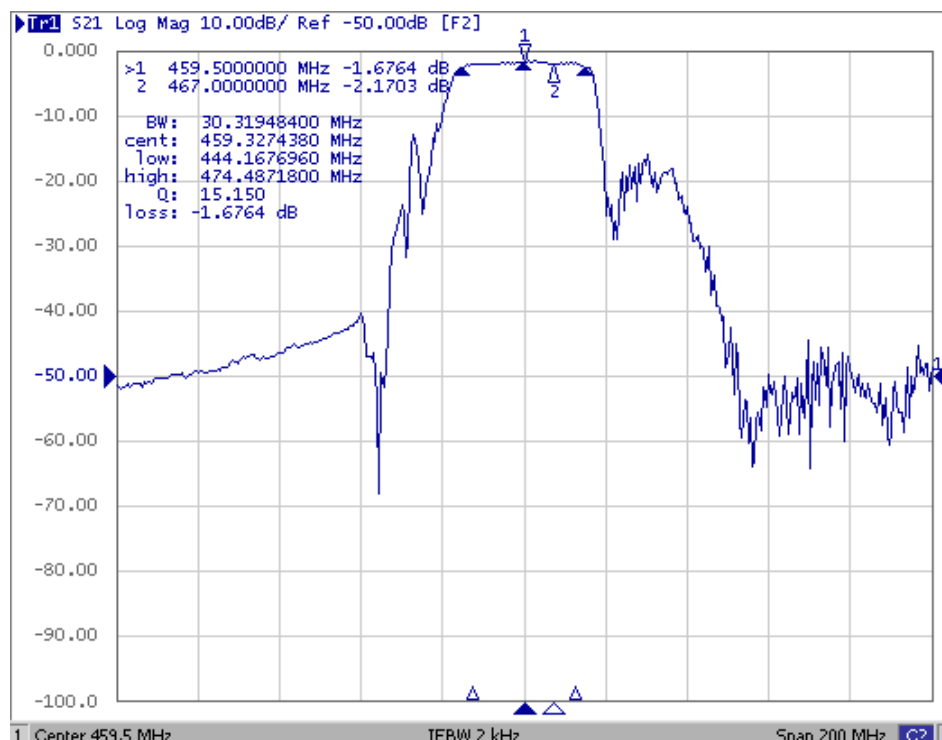
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C. FREQUENCY CHARACTERISTICS:

1. Wideband



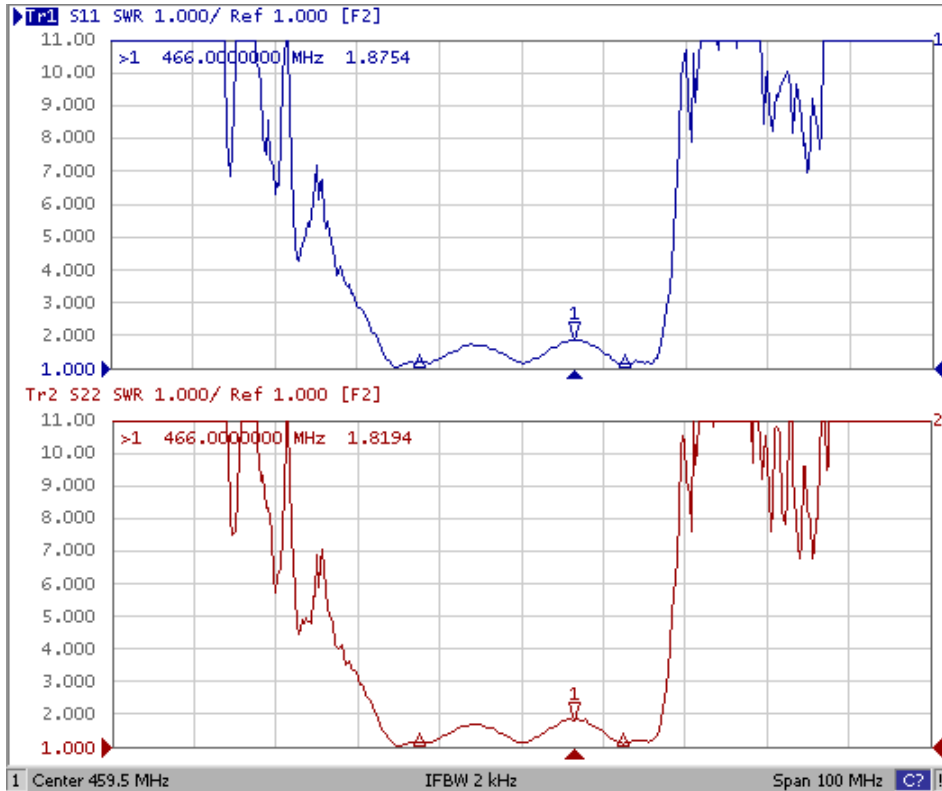
2. Passband



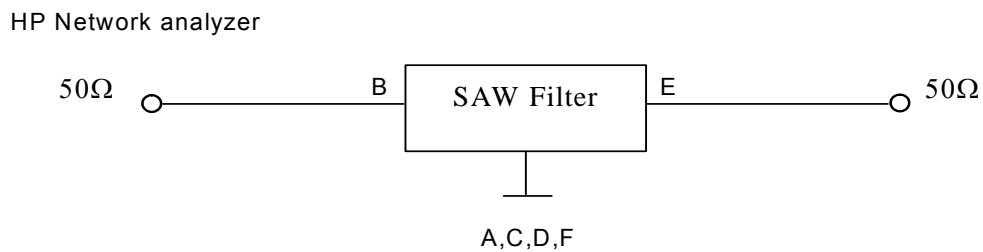
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3. VSWR



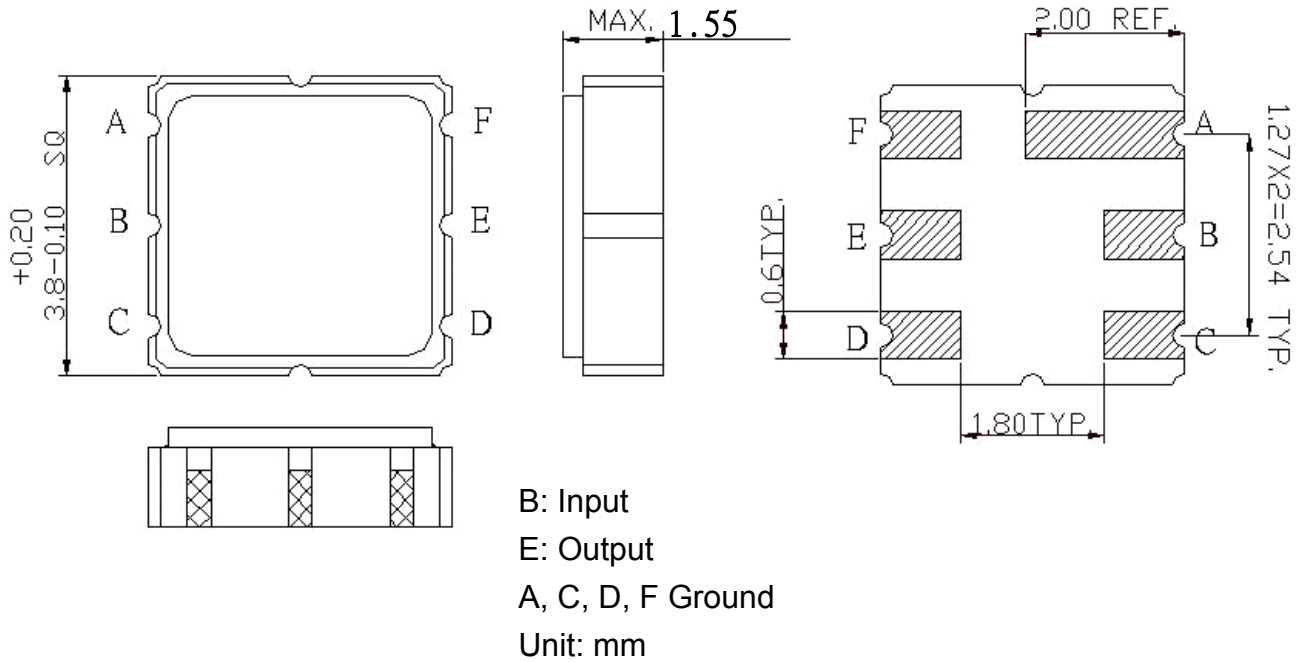
D. MEASUREMENT CIRCUIT:



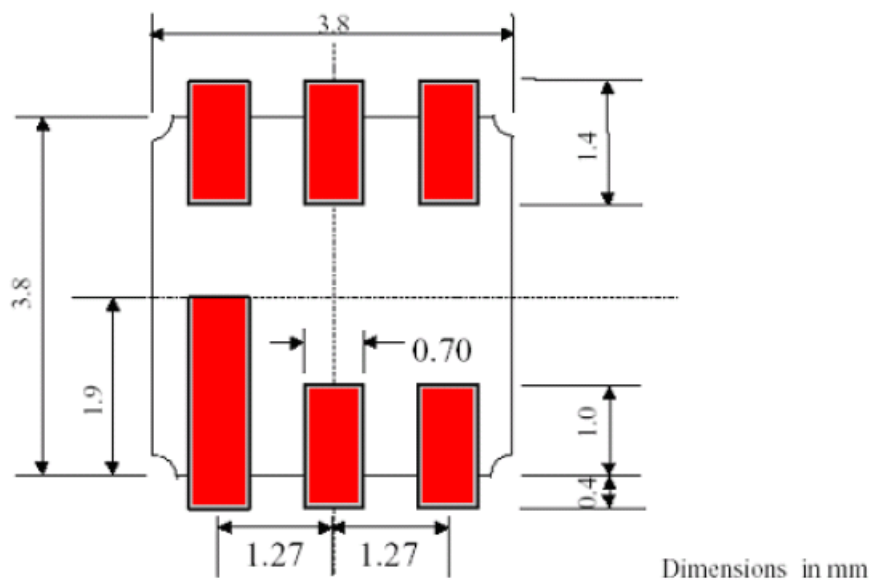
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E. OUTLINE DRAWING:



F. PCB FOOTPRINT:

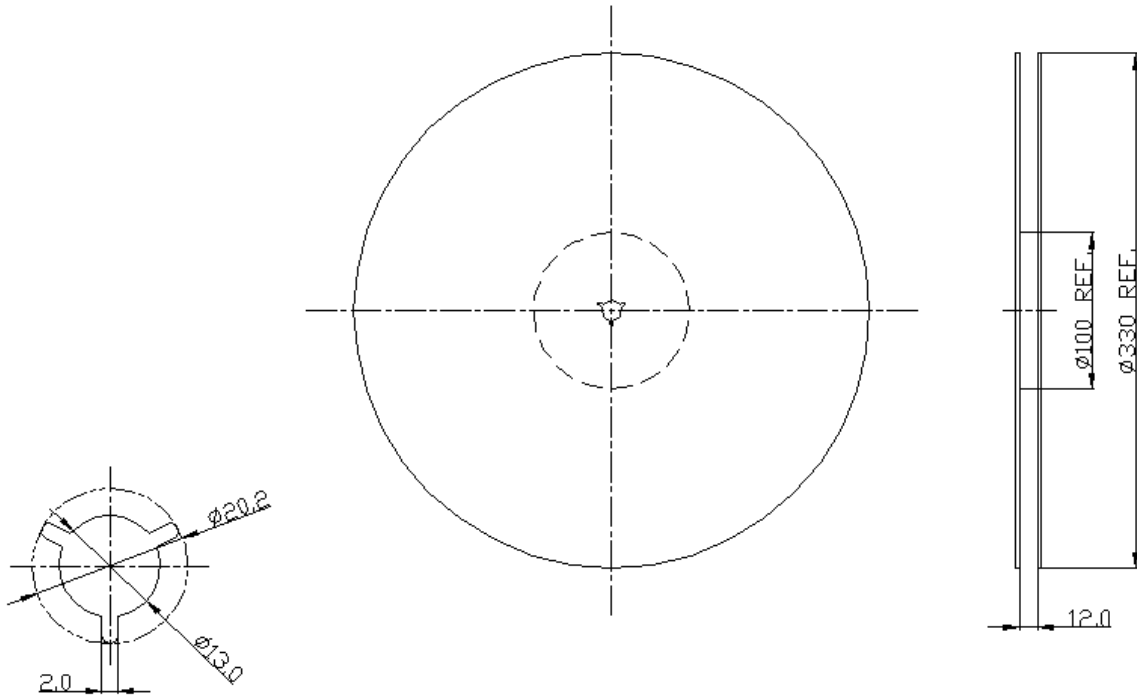


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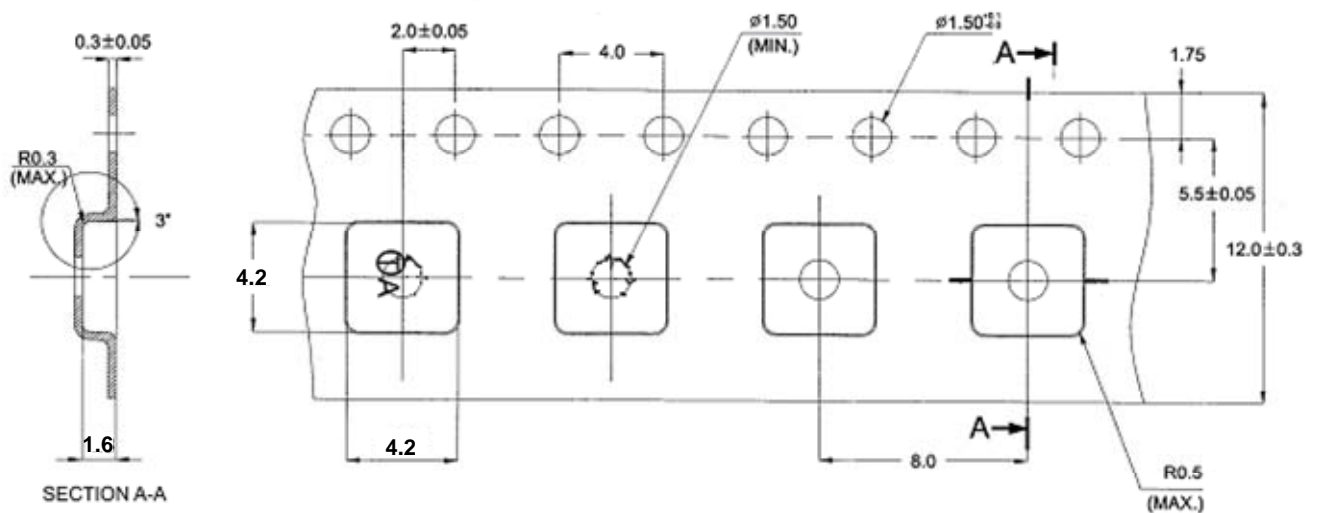
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



Direction of Feed



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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.

