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Eaglewood Park, ILMINSTER
Somerset, TA19 9DQ, UK

SAW Filter 311.0MHz **Model: TA1907A**

Part No: MP07596 **Rev No: 1**

A. MAXIMUM RATING:

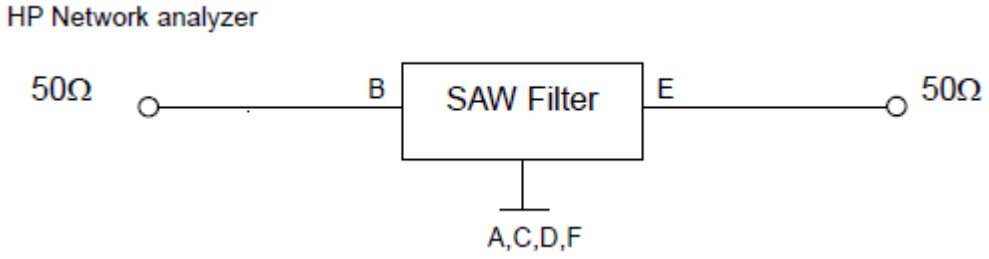
Electrostatic **S**ensitive **D**evice (**ESD**)

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. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	311	-
Insertion Loss (310.5 ~ 311.5MHz) IL	dB	-	1.7	2.8
Amplitude ripple (310.5 ~ 311.5MHz)	dB	-	0.3	1.5
VSWR (310.5 ~ 311.5MHz)	-	-	1.3	2.2
Attenuation (Reference level from 0dB)				
261 ~ 285MHz	dB	50	62	-
285 ~ 295MHz	dB	40	57	-
335 ~ 361MHz	dB	40	45	-
Temperature coefficient of frequency	ppm/k	-	-36	-

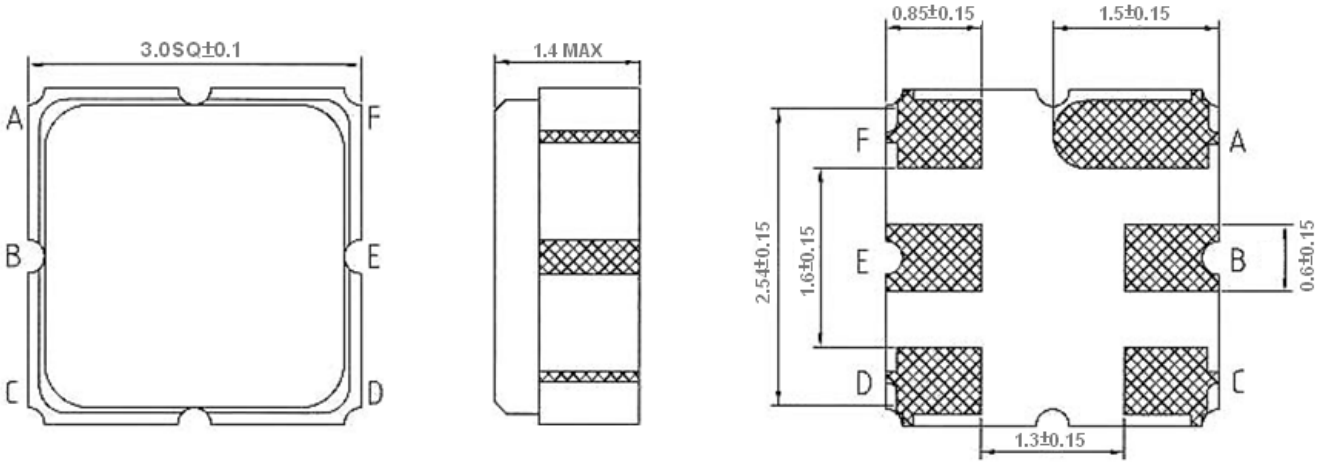
C. MEASUREMENT CIRCUIT:



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D. OUTLINE DRAWING:



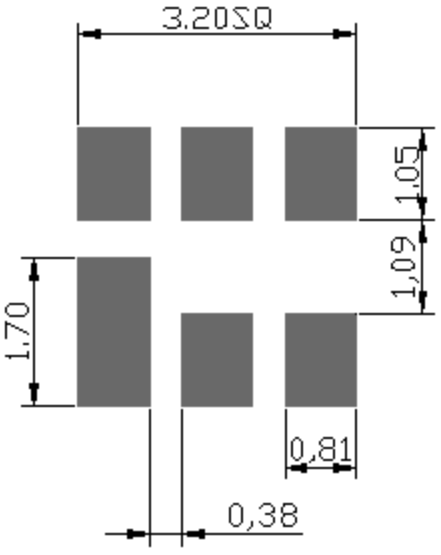
B: Input

E: Output

A, C, D, F: Ground

Unit: mm

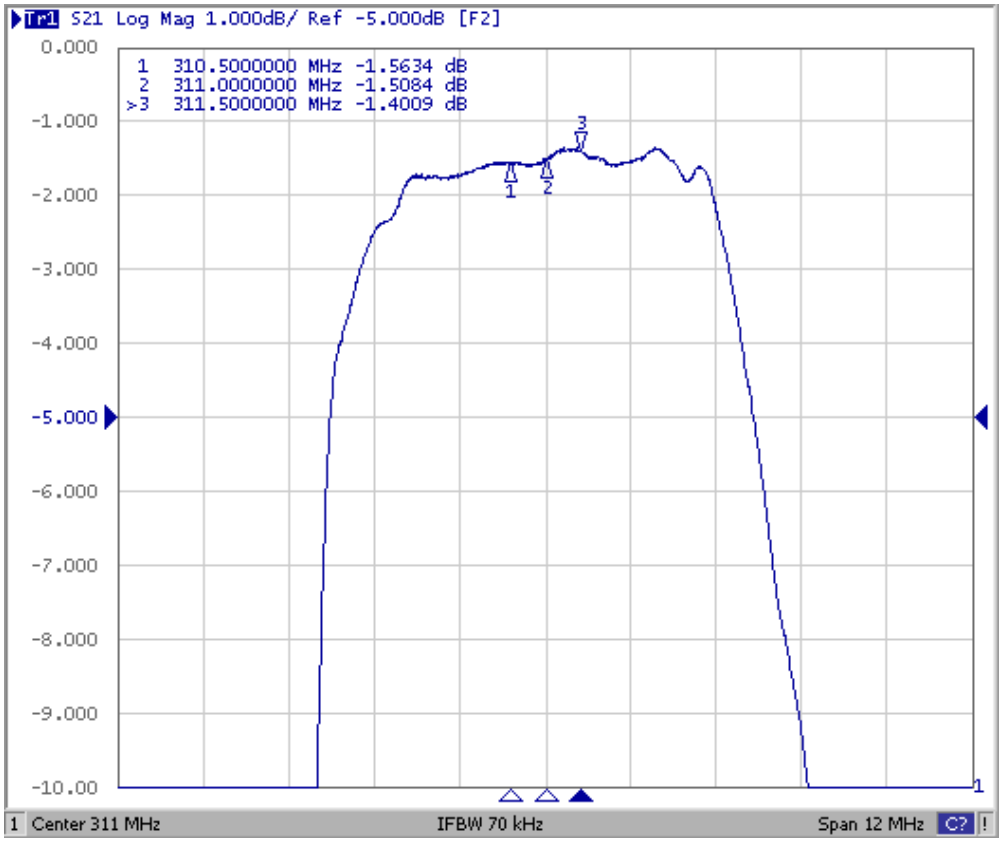
E. PCB FOOTPRINT:

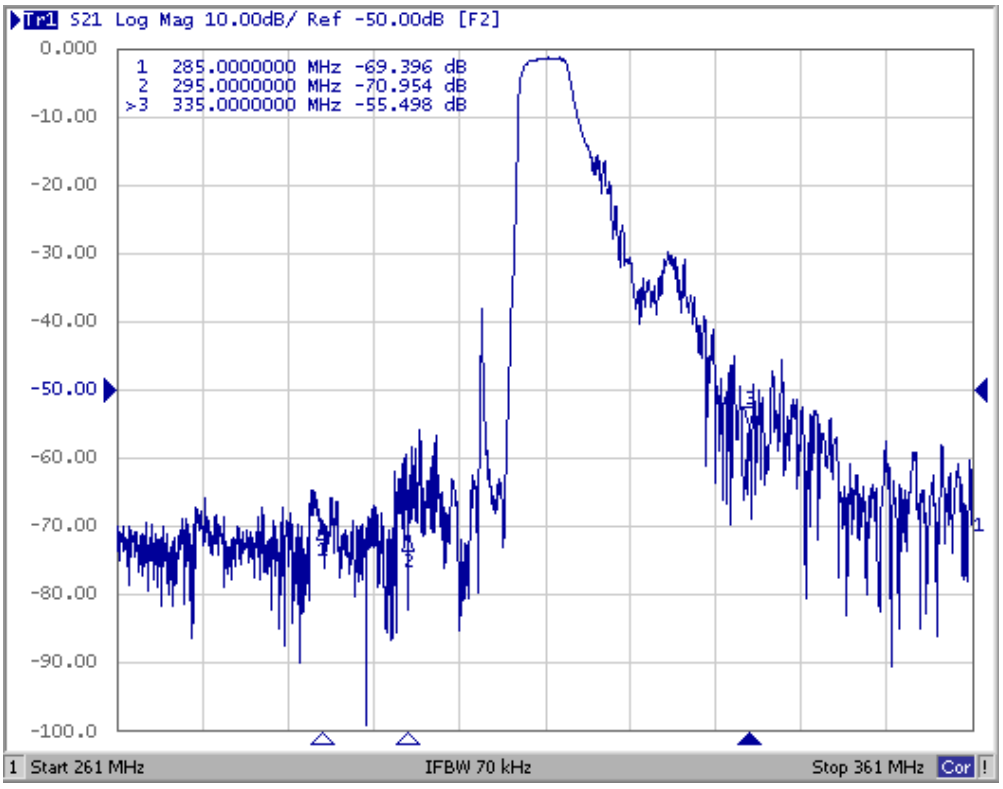


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F. FREQUENCY CHARACTERISTIC:





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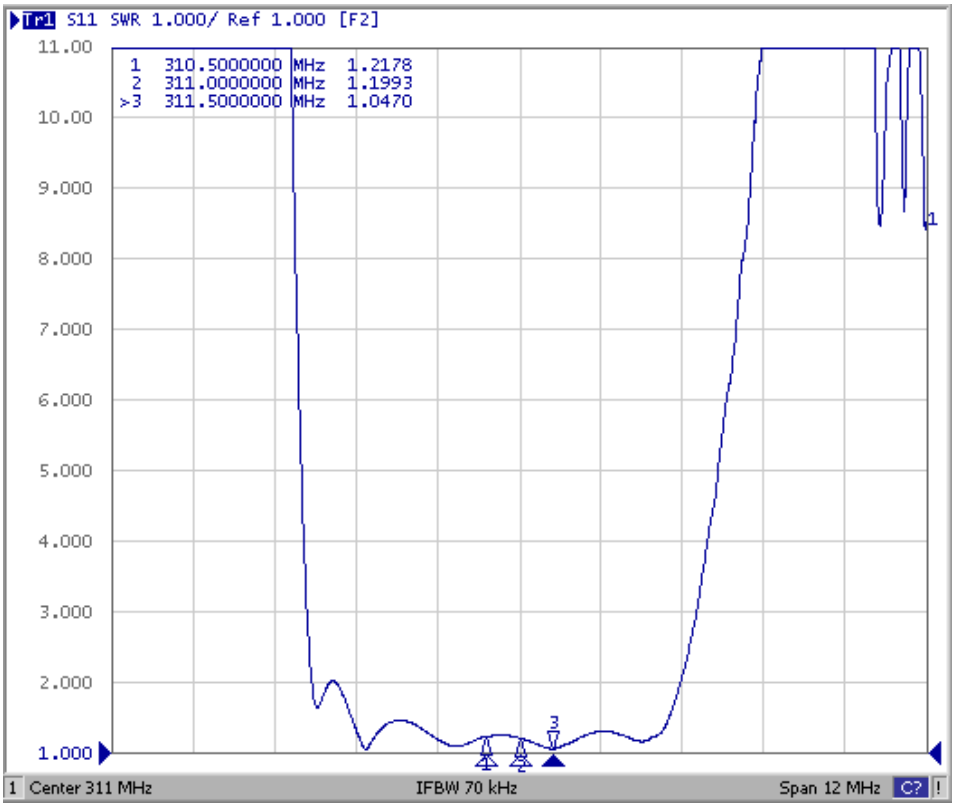
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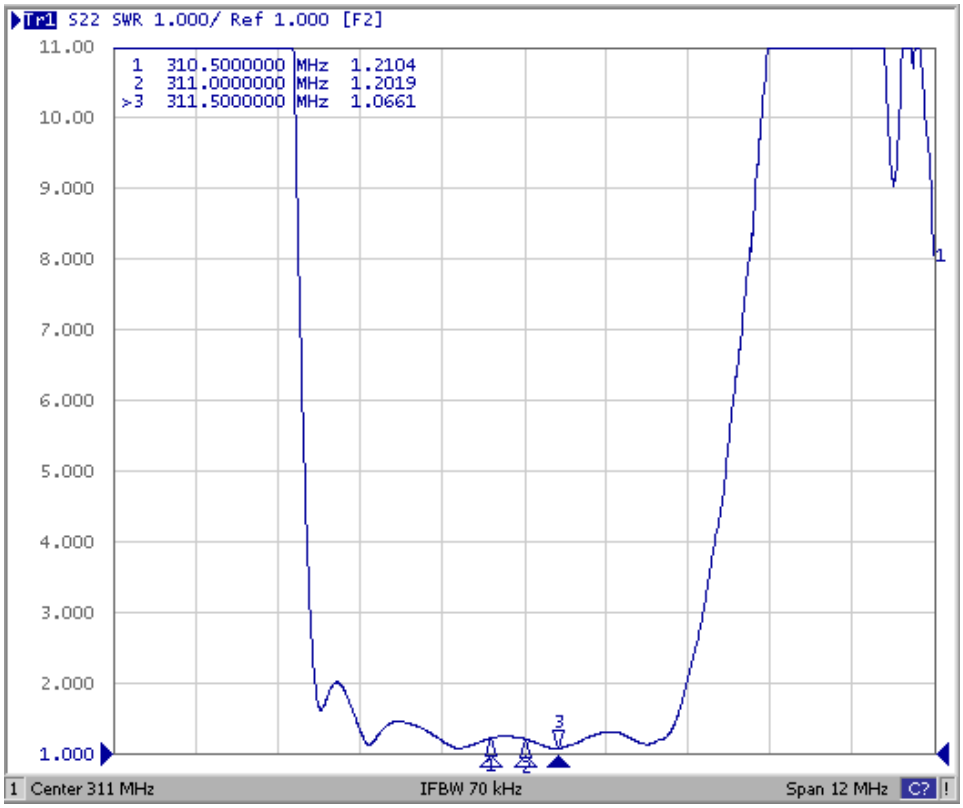
Part No: MP07596 — Rev No: 1

Reflection Functions

S11



S22

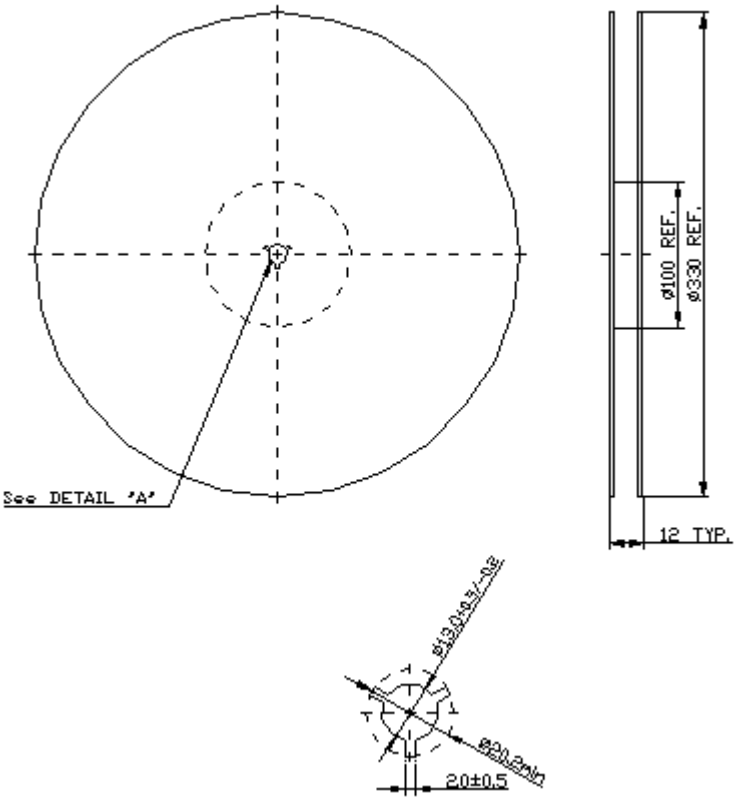


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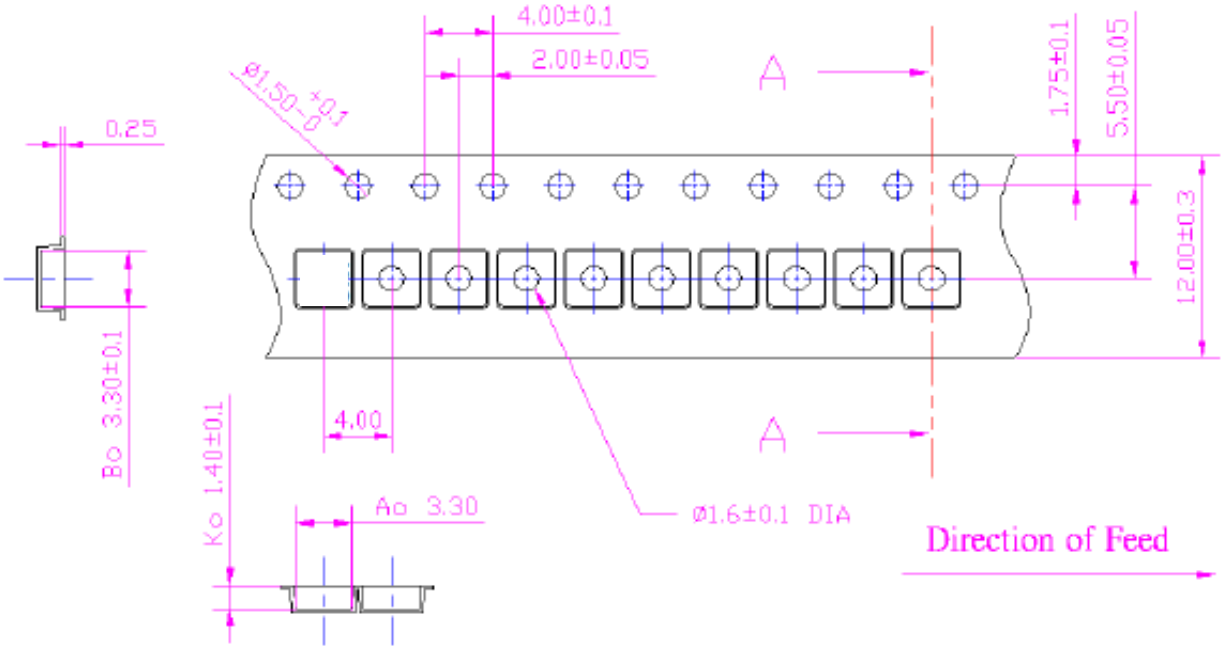
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G. PACKING:

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 260°C +0/-5°C peak (20 ~ 40 sec).
4. Time: 2 times.

