

SAW Filter 311.0MHz
Part No: MP07596

Model: TA1907A
Rev No: 1

A. MAXIMUM RATING:

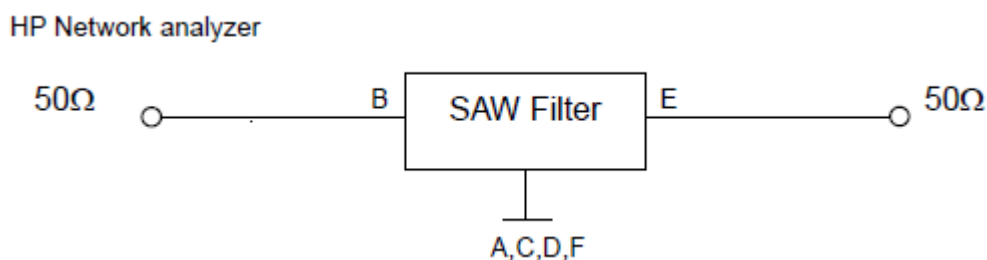
Electrostatic Sensitive Device (ESD)

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	-

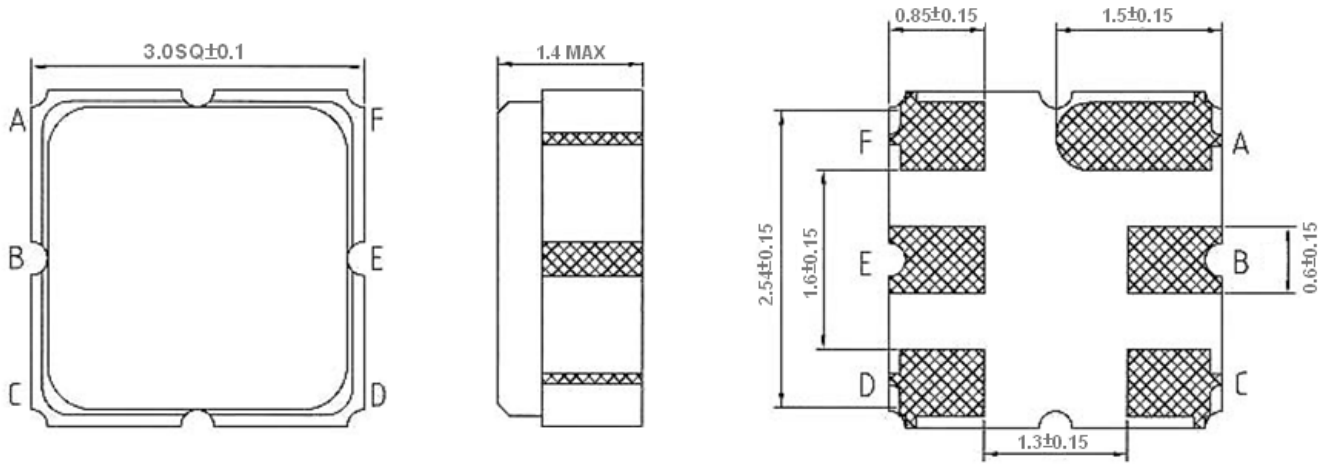
C. MEASUREMENT CIRCUIT:



SAW Filter 311.0MHz
Part No: MP07596

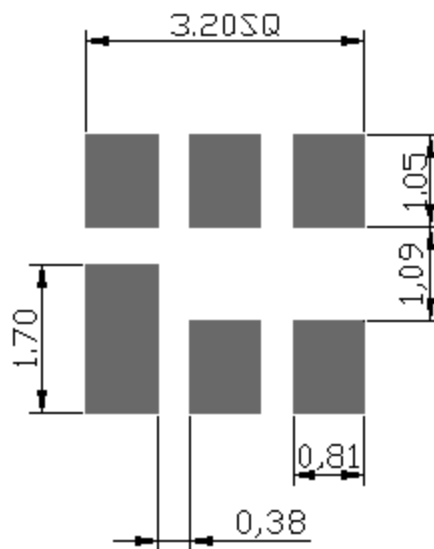
Model: TA1907A
Rev No: 1

D. OUTLINE DRAWING:



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

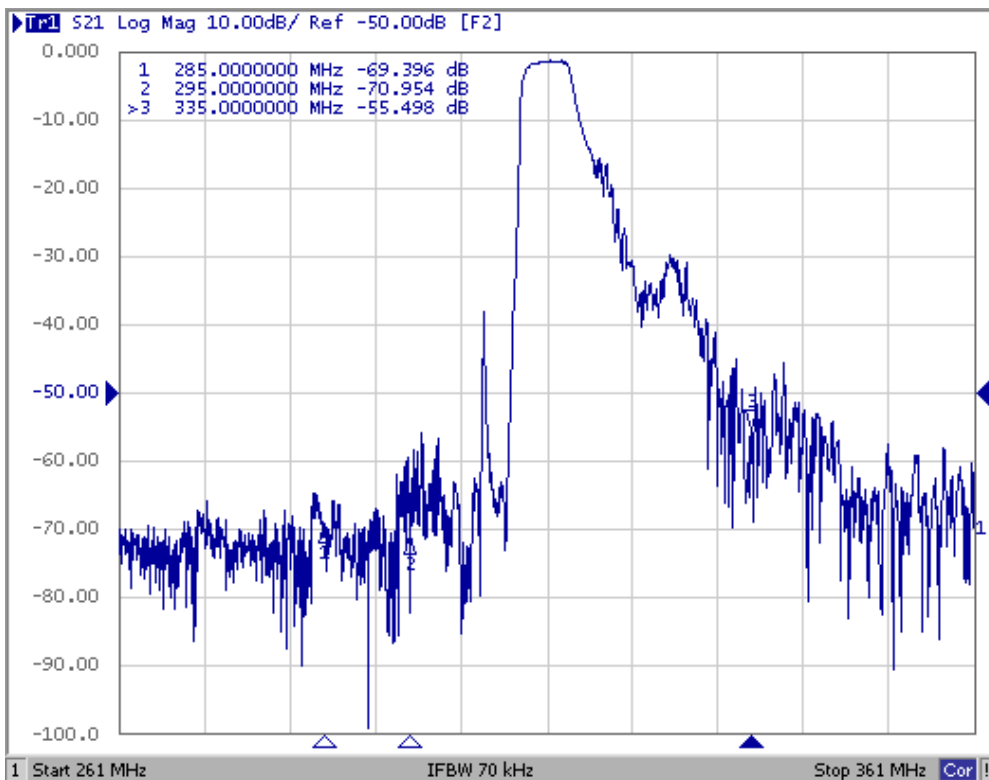
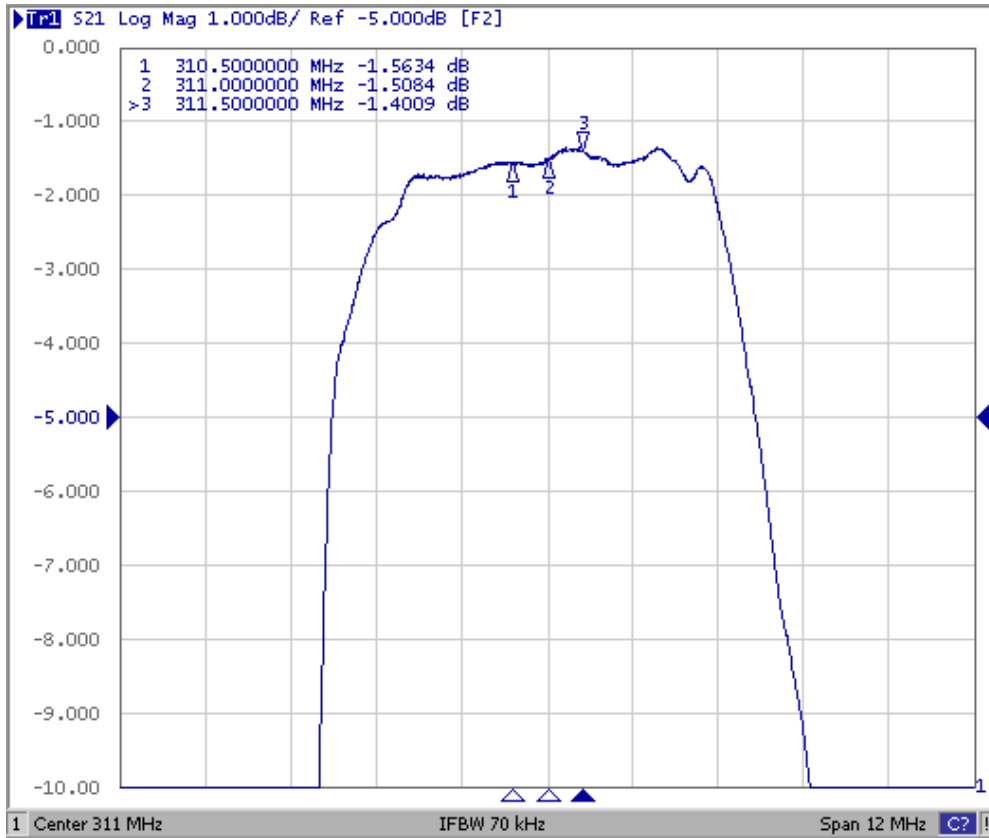
E. PCB FOOTPRINT:



SAW Filter 311.0MHz
Part No: MP07596

Model: TA1907A
Rev No: 1

F. FREQUENCY CHARACTERISTIC:

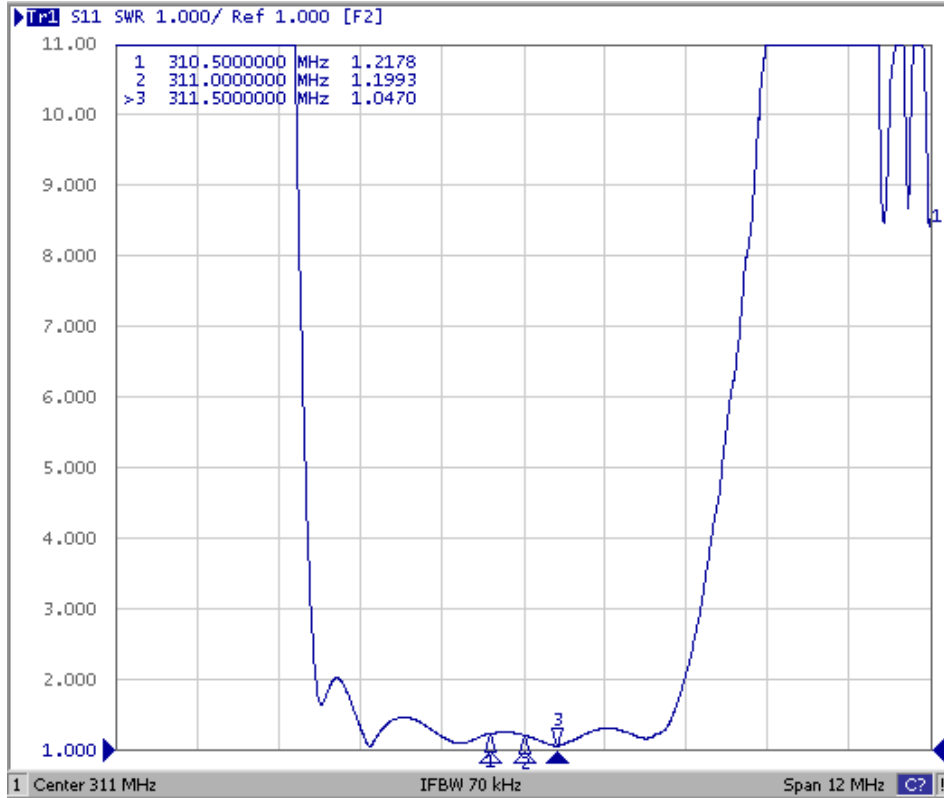


SAW Filter 311.0MHz
Part No: MP07596

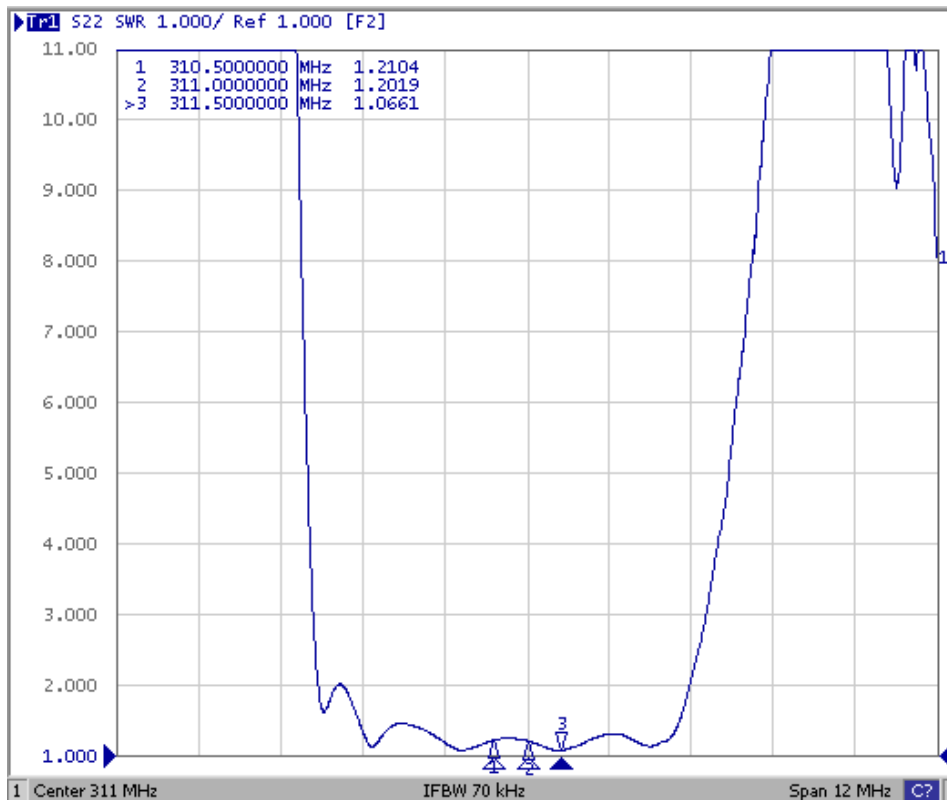
Model: TA1907A
Rev No: 1

Reflection Functions

S11



S22

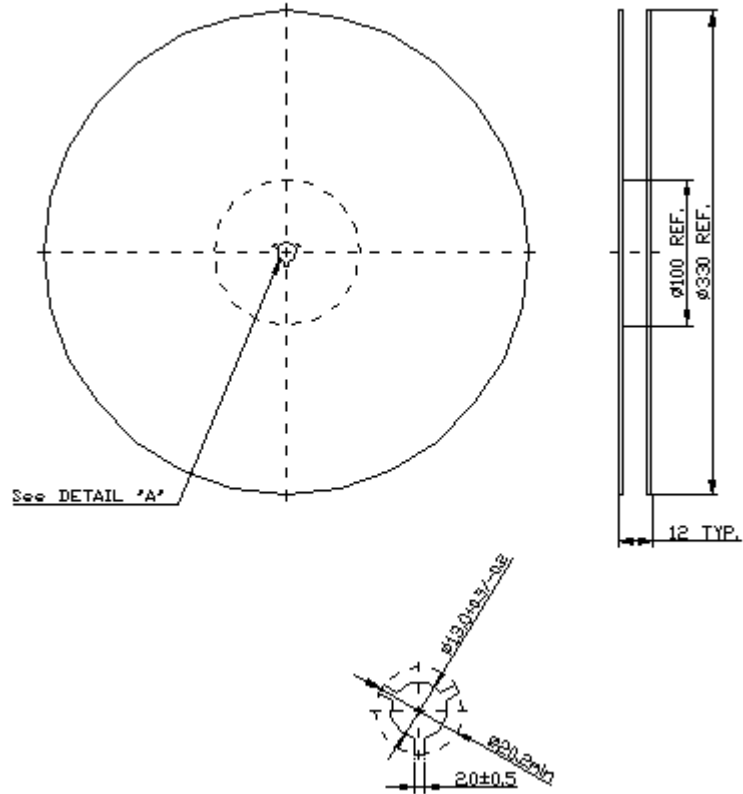


SAW Filter 311.0MHz
Part No: MP07596

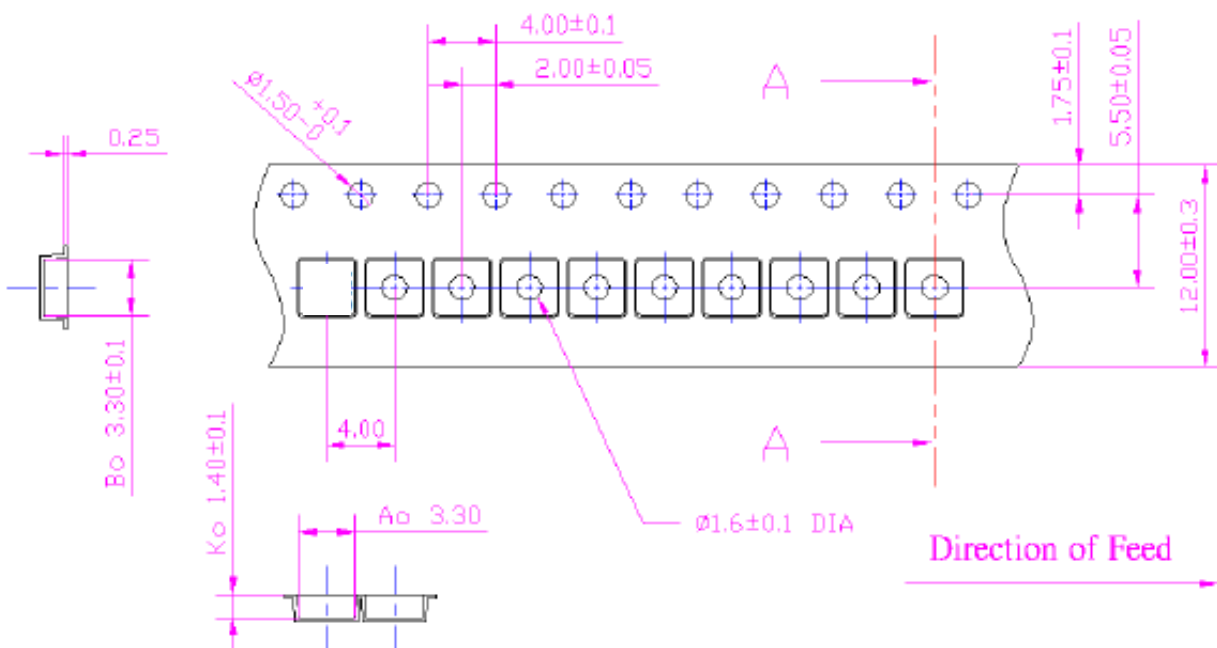
Model: TA1907A
Rev No: 1

G. PACKING:

1. Reel Dimension (Please refer to FR-75D10 for packing quantity)



2. Tape Dimension



SAW Filter 311.0MHz
Part No: MP07596

Model: TA1907A
Rev No: 1

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.

