

SAW Filter 2185.0MHz

Model: TA1919A

Part No: MP07517

Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

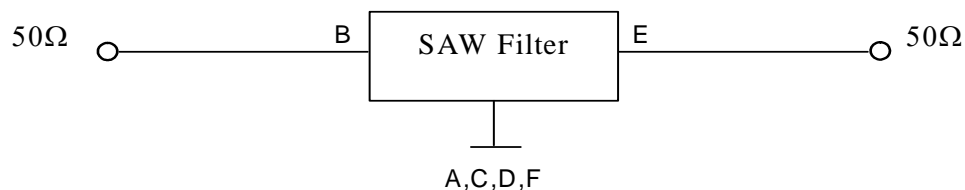
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +85°C
4. Storage Temperature: -40°C to +95°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center Frequency Fc	MHz	-	2185	-
Insertion loss (2170 ~ 2200MHz) IL	dB	-	2.6	3.5
Amplitude Ripple (2170 ~ 2200MHz)	dB	-	0.5	2.2
1dB bandwidth	MHz	-	38	-
2dB bandwidth	MHz	-	44	-
VSWR (2170 ~ 2200MHz)	-	-	2.0	2.3
Attenuation (Reference level from 0dB)				
DC ~ 1980MHz	dB	22	27	-
1980 ~ 2010MHz	dB	32	37	-
2010 ~ 2130MHz	dB	17	22	-
2260 ~ 2300MHz	dB	20	31	-
2300 ~ 3000MHz	dB	25	30	-
Temperature Coefficient of Frequency	ppm/°C	-	-36	-

C. MEASUREMENT CIRCUIT:

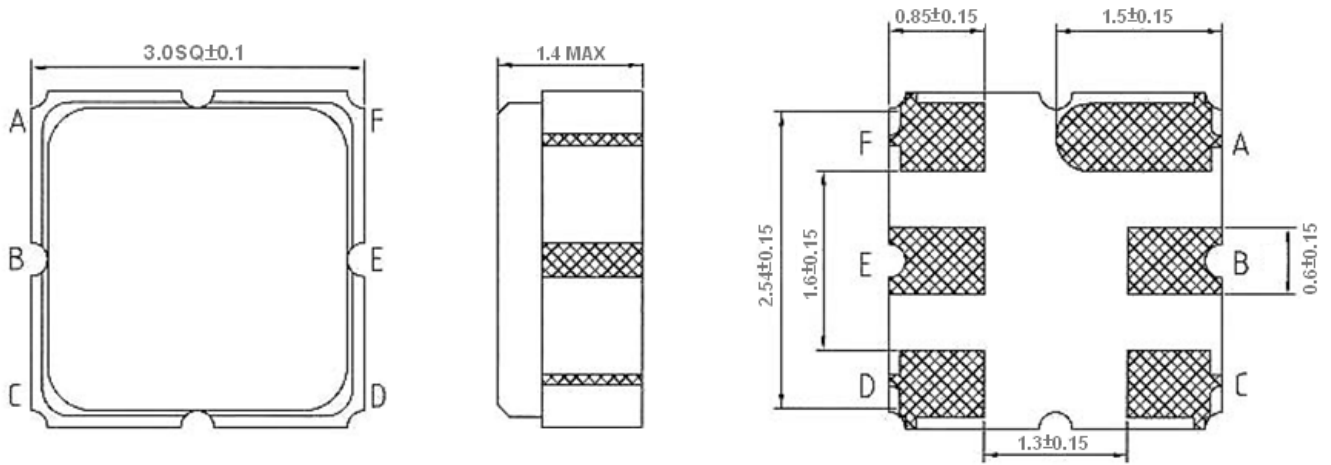
HP Network analyzer



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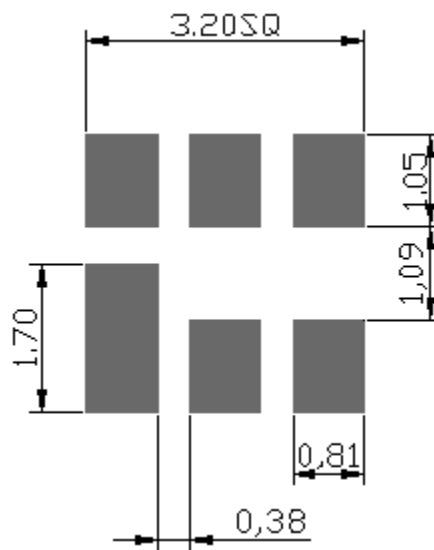
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D. OUTLINE DRAWING:



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

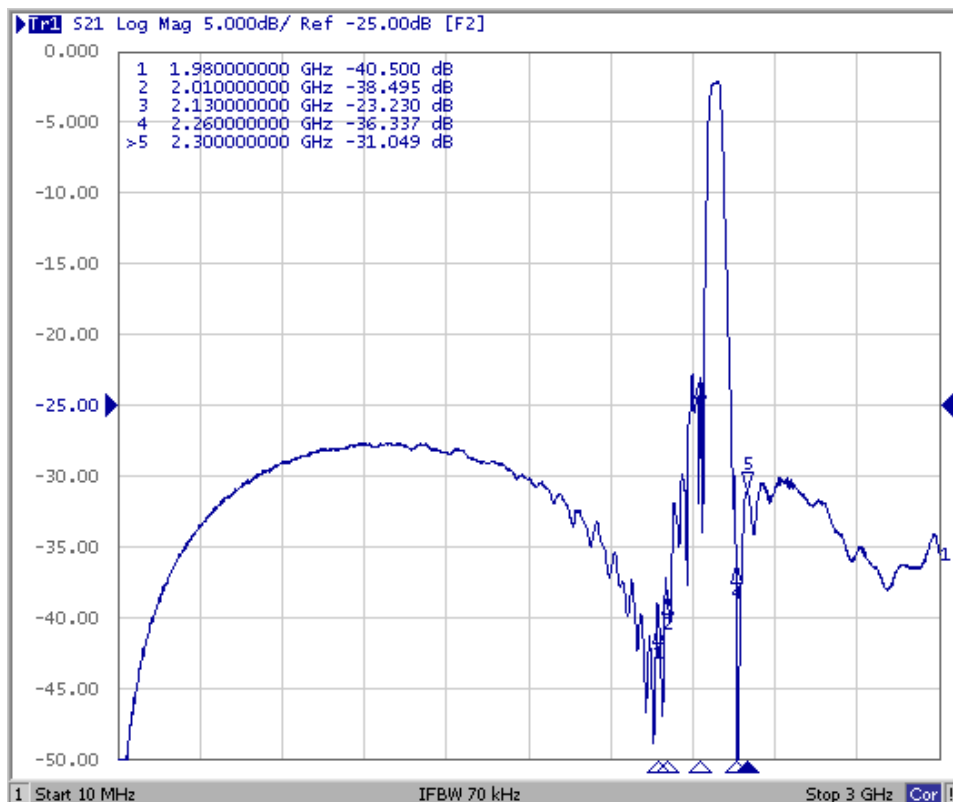
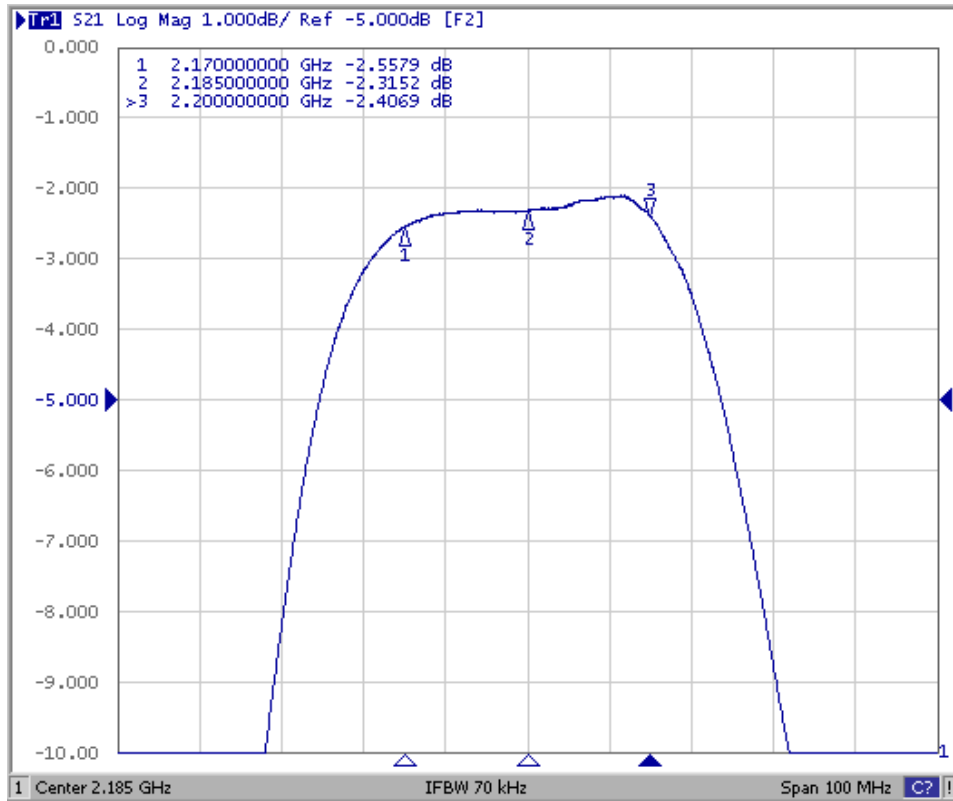
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

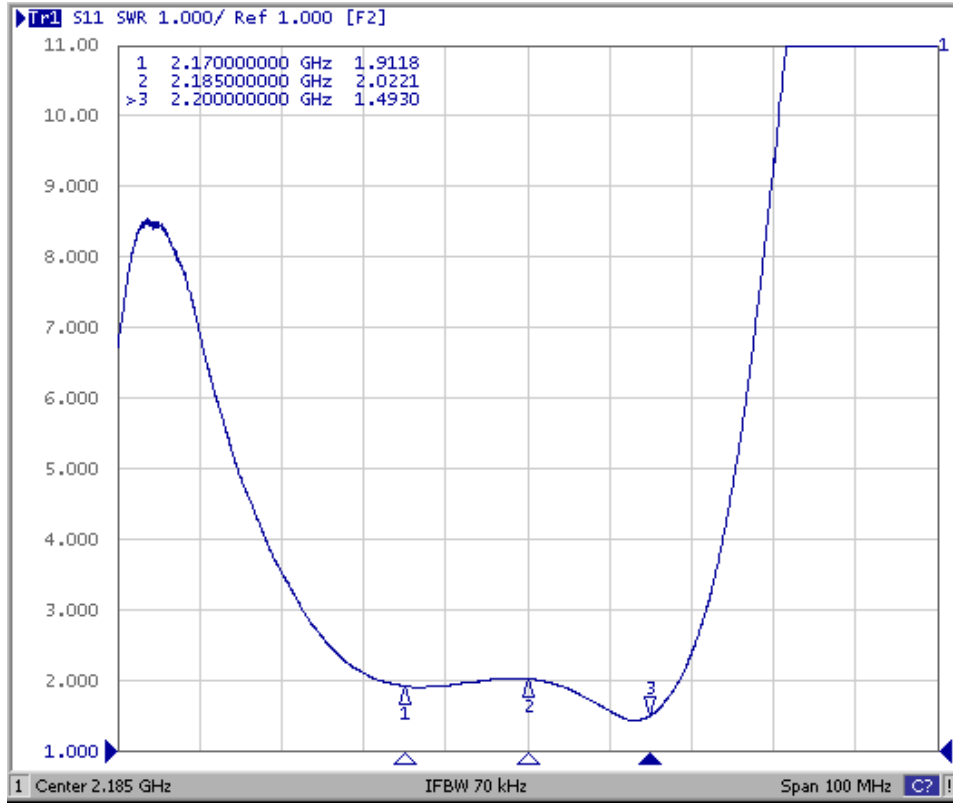


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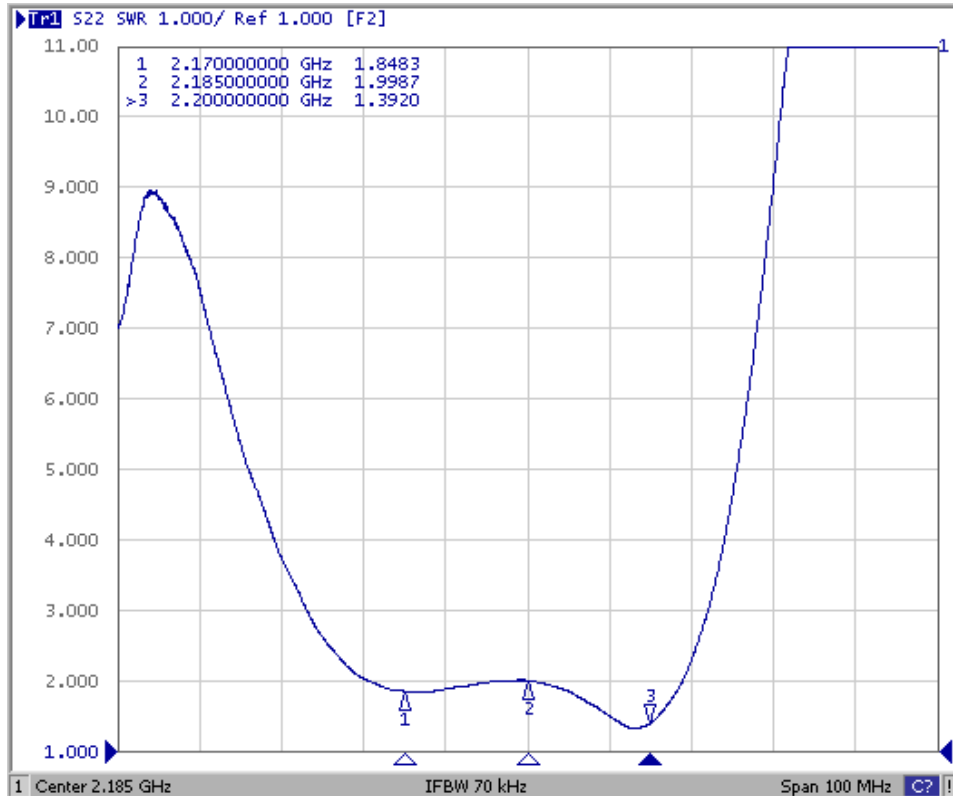
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Reflection Functions:

S11



S22

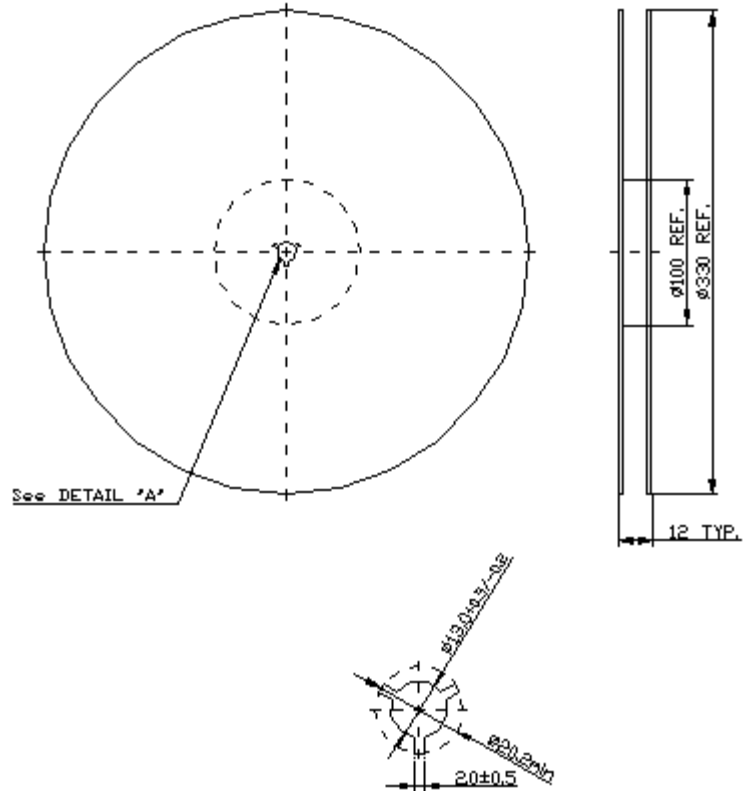


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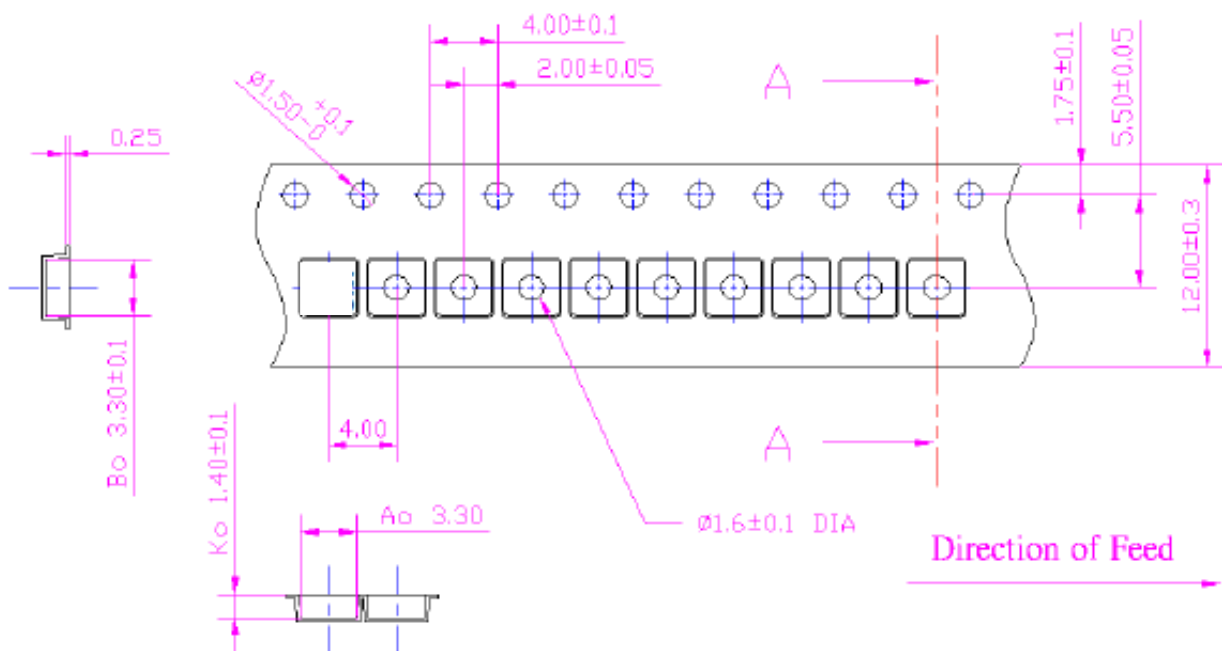
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G. PACKING:

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

