

SAW Filter 1546.50MHz
Part No: MP10195

Model: TA2019A
Rev No: 1

A. MAXIMUM RATING:

1. Input Power Level: 10dBm
2. DC voltage: 5V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +105°C

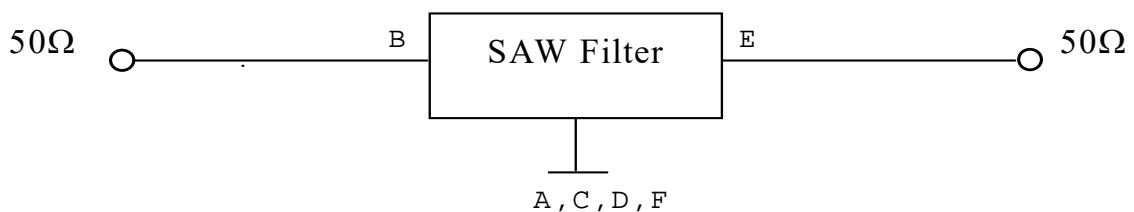
Electrostatic Sensitive Device (ESD)

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min	Typ	Max
Center frequency Fc	MHz	-	1546.5	-
Insertion Loss (1518~1575 MHz) IL	dB	-	2.1	2.8
Amplitude ripple (1518~1575 MHz)	dB	-	0.5	2.0
VSWR (1518~1575 MHz)	-	-	2.4	2.7
Attenuation (Reference level from 0 dB)				
10 ~1200 MHz	dB	40	44	-
1200 ~1450 MHz	dB	29	32	-
1450 ~1480 MHz	dB	23	28	-
1620 ~1680 MHz	dB	33	39	-
1680 ~1840 MHz	dB	35	40	-
1840 ~2000 MHz	dB	30	35	-
2000 ~2500 MHz	dB	27	30	-
Temperature coefficient of frequency	ppm/k	-	-36	-

C. MEASUREMENT CIRCUIT:

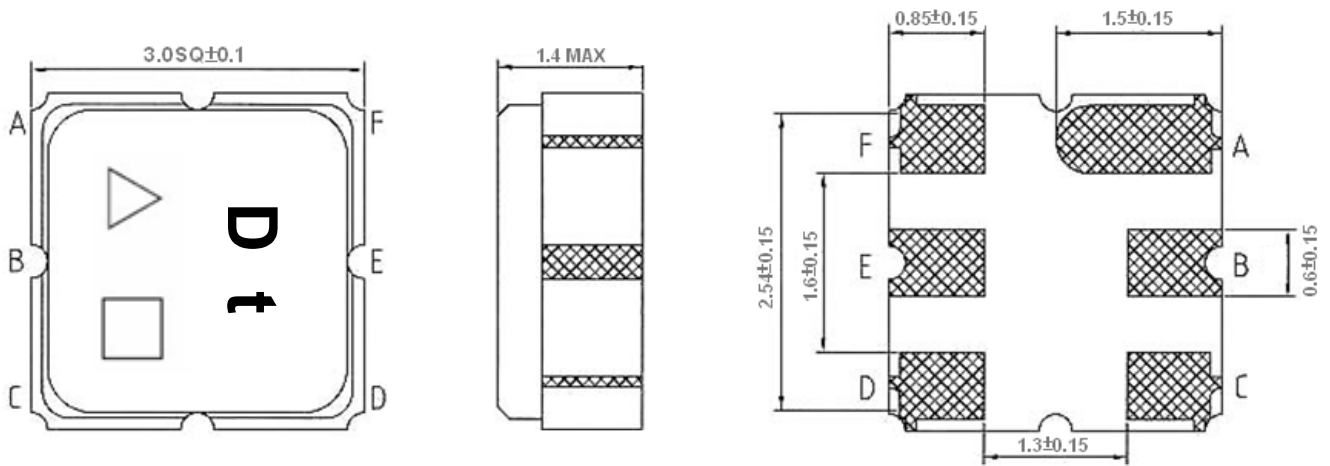
HP Network analyzer



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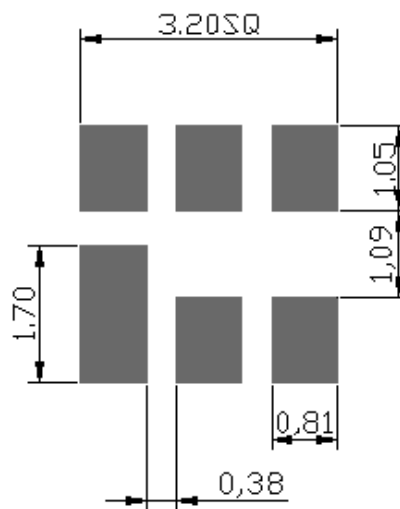
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D. OUTLINE DRAWING:



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

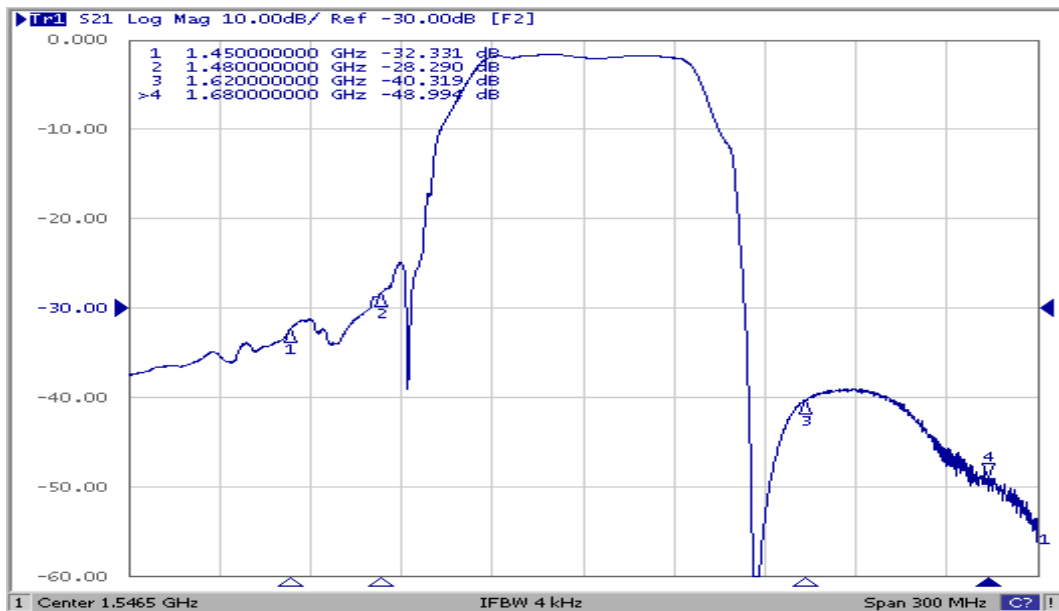
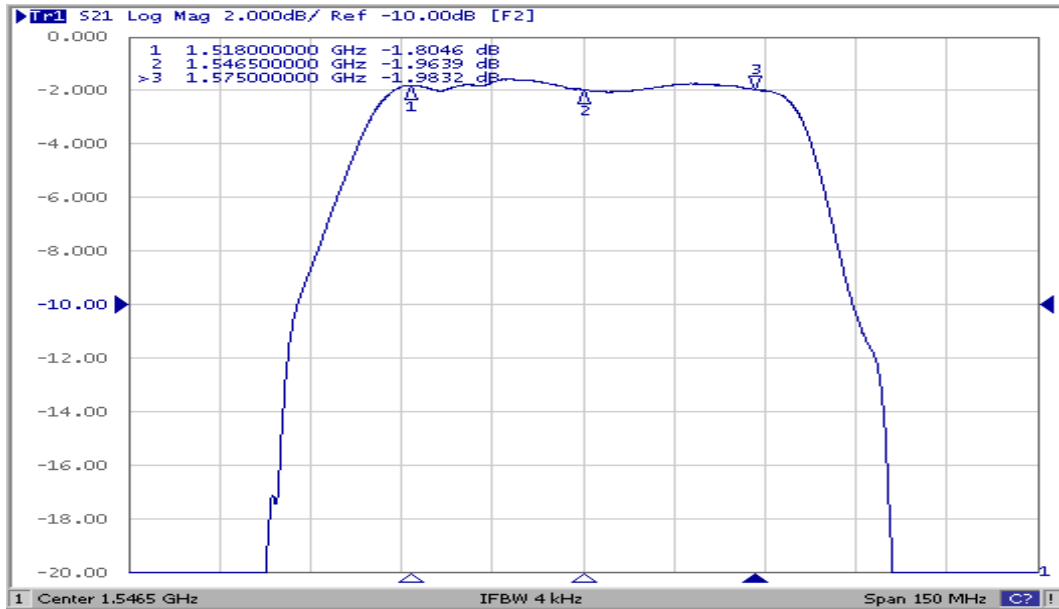
E. PCB FOOTPRINT:



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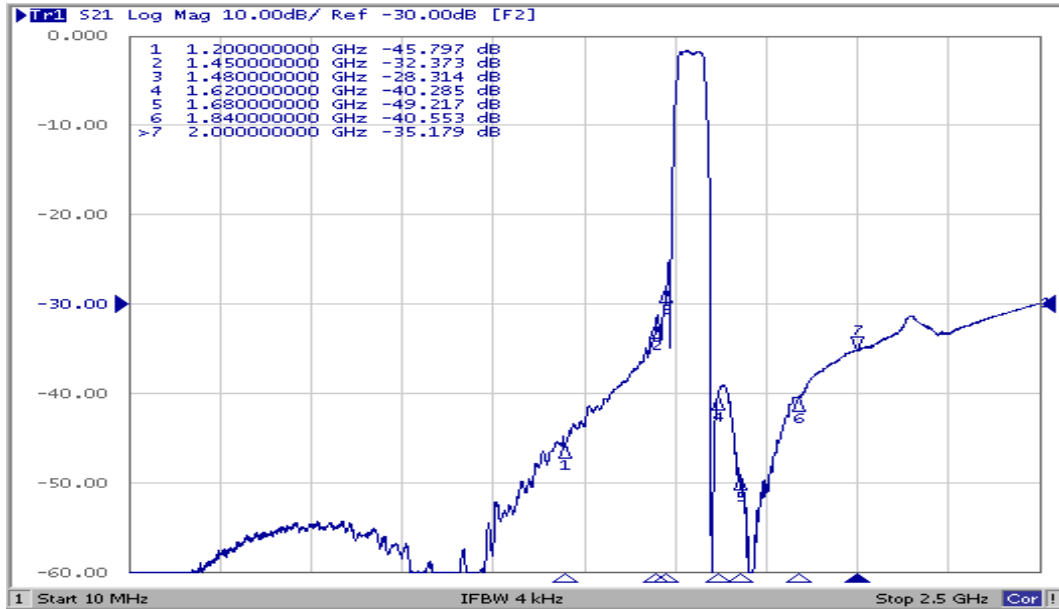
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F. FREQUENCY CHARACTERISTICS:



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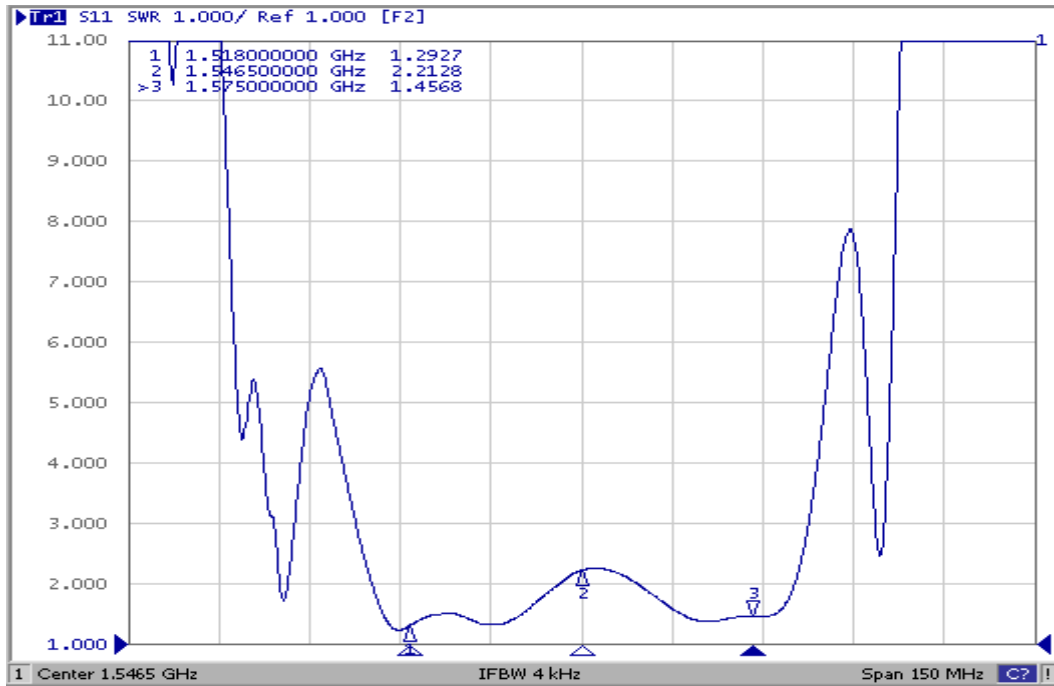


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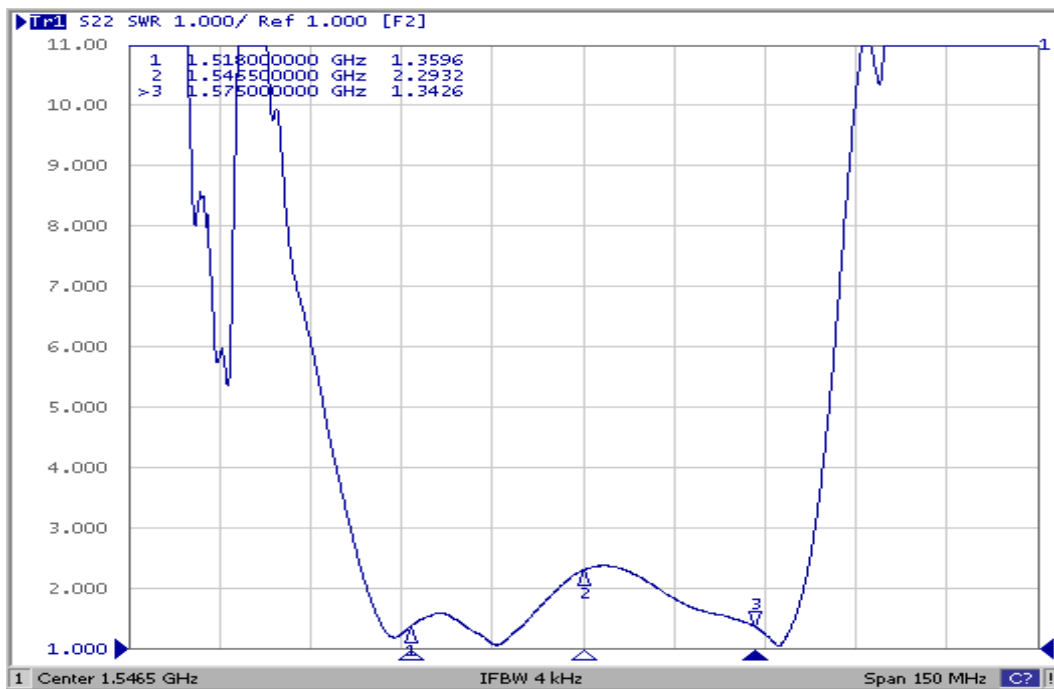
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Reflection Functions:

S11



S22

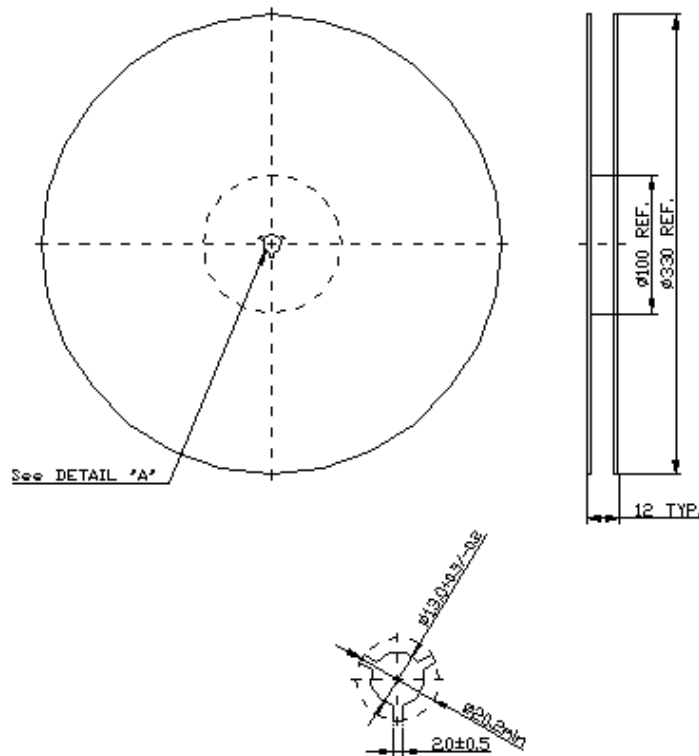


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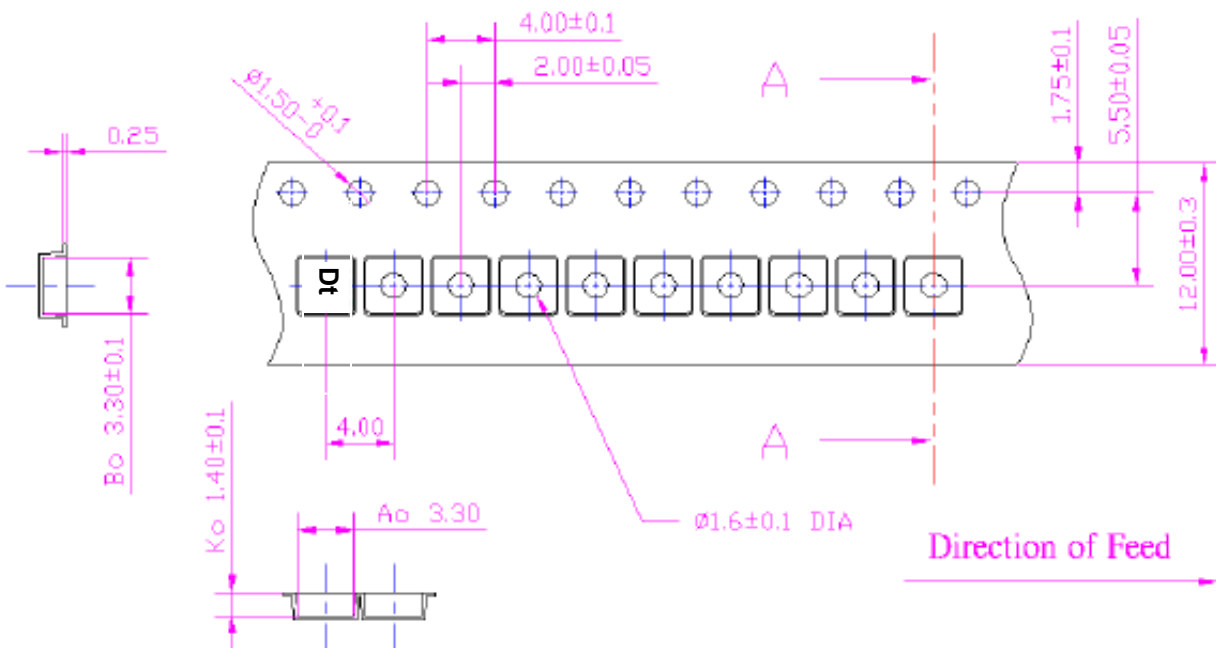
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G. PACKING:

1. REEL DIMENSION



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 (20~40sec).
4. Time: 2 times.

