

SAW Filter 1260.0MHz
Part No: MP09362

Model: TA1985A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device (ESD)

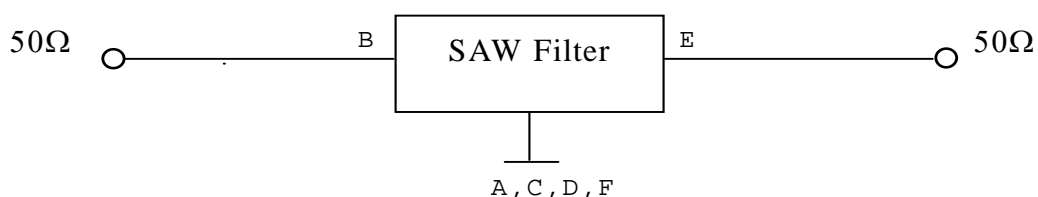
1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -40°C to +85°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1260	-
Insertion Loss (1212 ~ 1308MHz) IL	dB	-	4.5	5.5
Amplitude Variation (1212 ~ 1308MHz)	dB	-	1.7	3.0
Group Delay Ripple (1212 ~ 1308MHz)	ns	-	10	80
Return Loss (1210 ~ 1310MHz)	dB	6	7	-
Attenuation (Reference level from 0dB)				
800 ~ 1052MHz	dB	24	27	-
1052 ~ 1152MHz	dB	23	33	-
1350 ~ 1440MHz	dB	12	23	-
1440 ~ 1460MHz	dB	25	38	-
1460 ~ 2000MHz	dB	25	30	-
Temperature coefficient of frequency	ppm/k	-	-80	-

C. MEASUREMENT CIRCUIT:

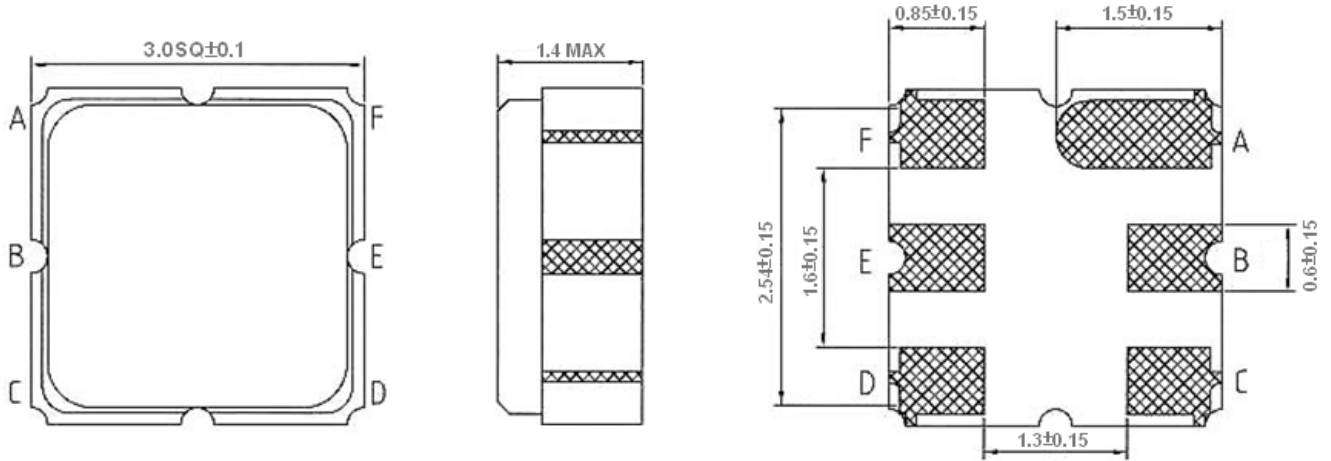
HP Network analyzer



SAW Filter 1260.0MHz
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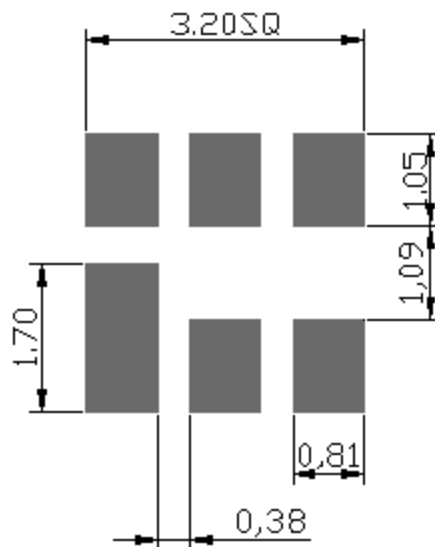
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D. OUTLINE DRAWING:



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

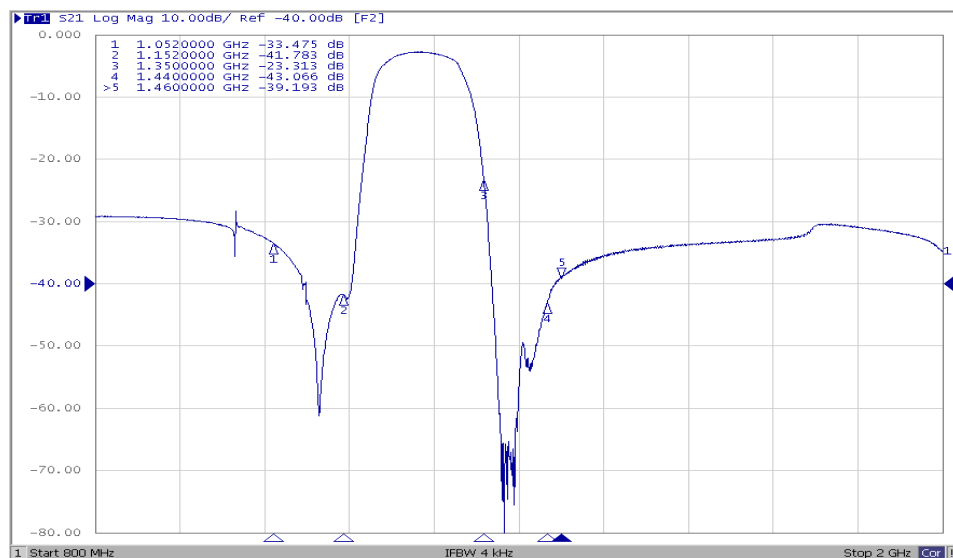
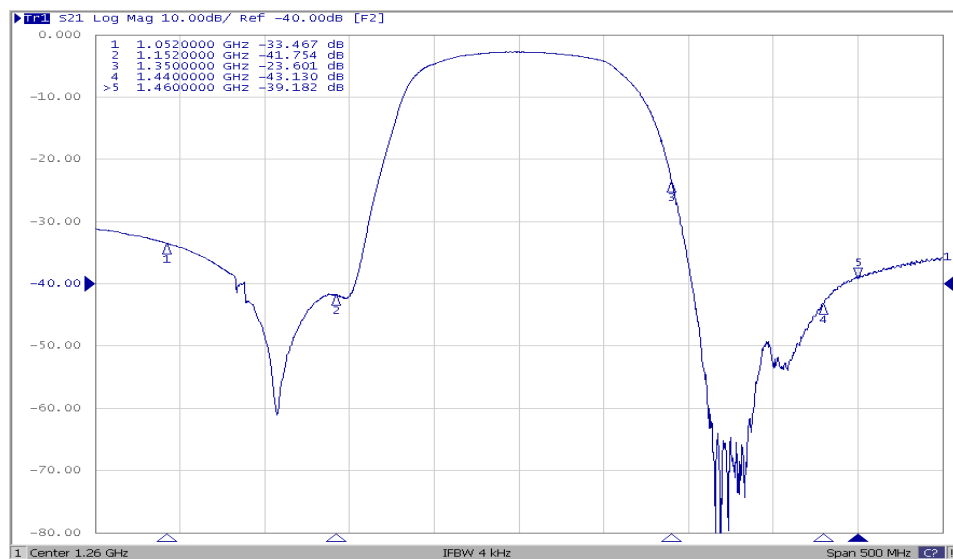
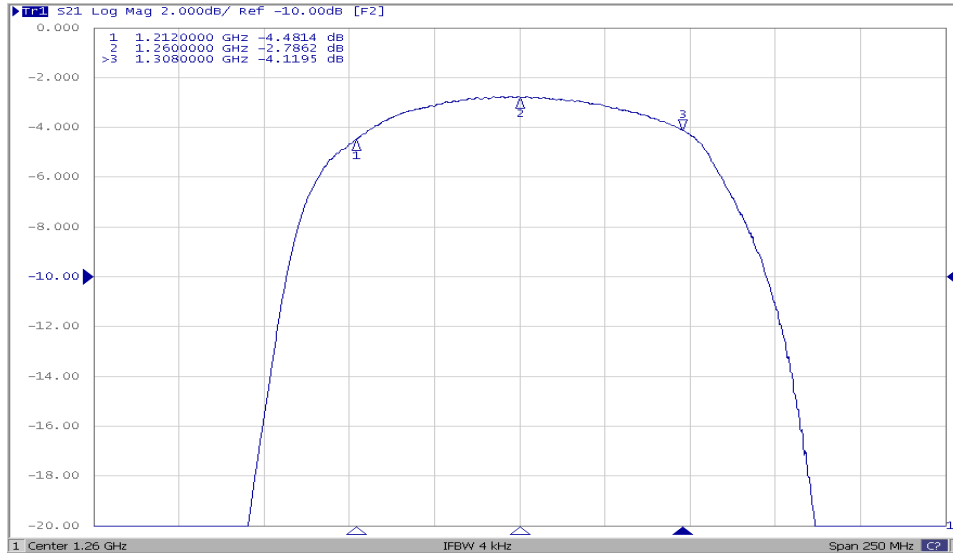
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

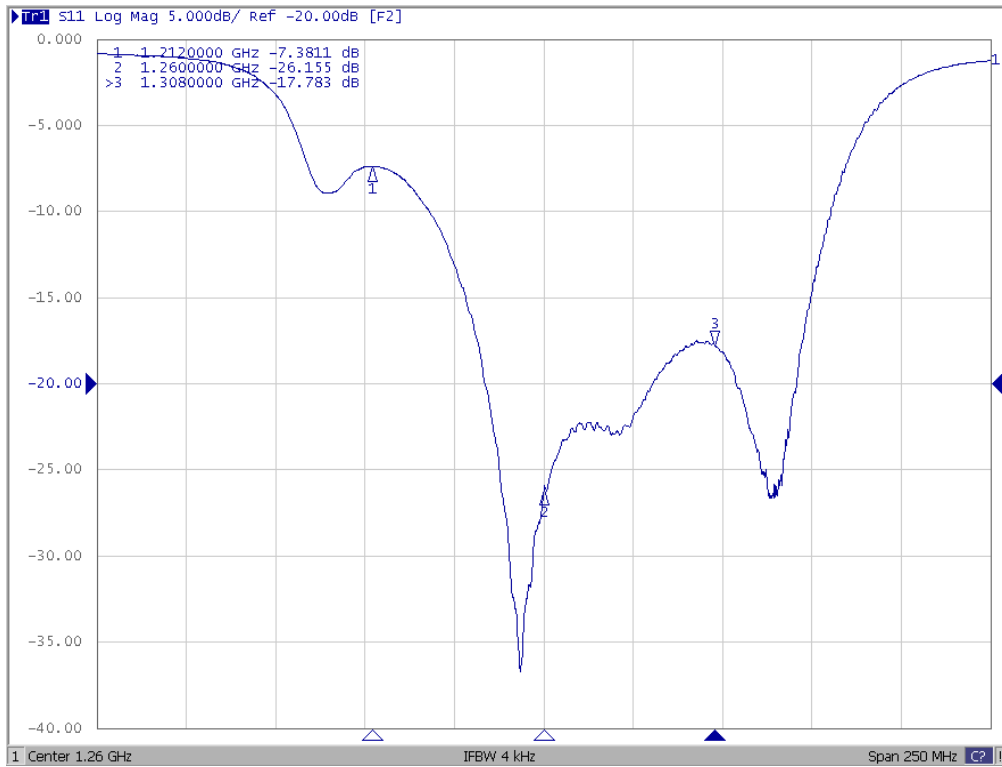


SAW Filter 1260.0MHz
Part No: MP09362

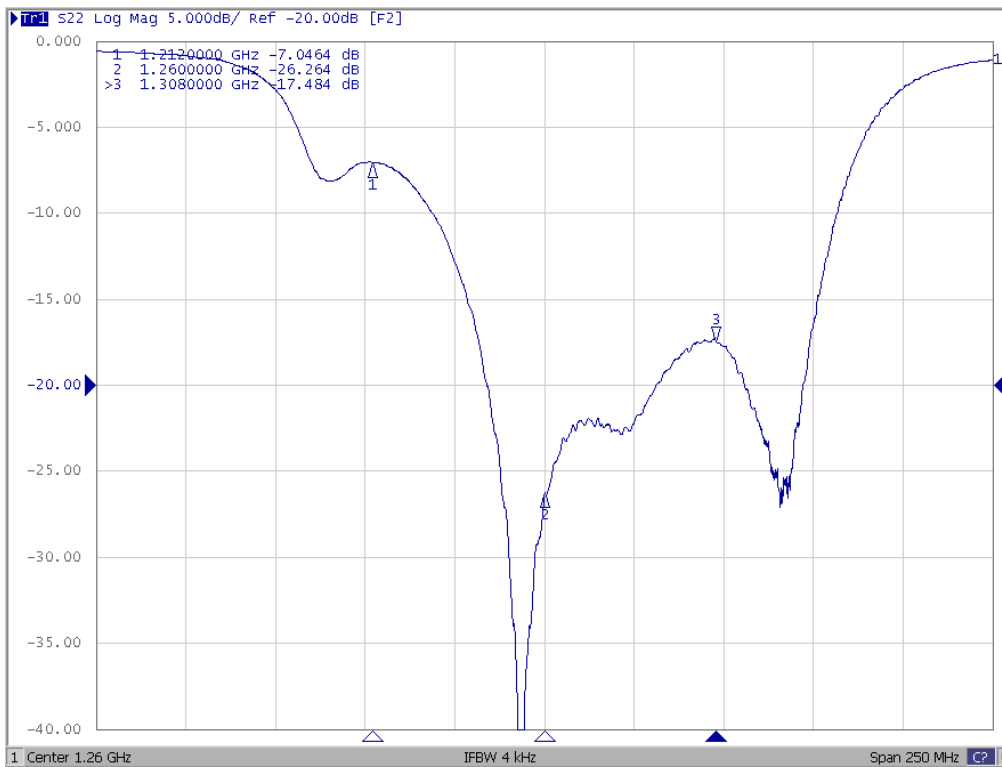
Model: TA1985A
Rev No: 1

Reflection Functions

S11



S22

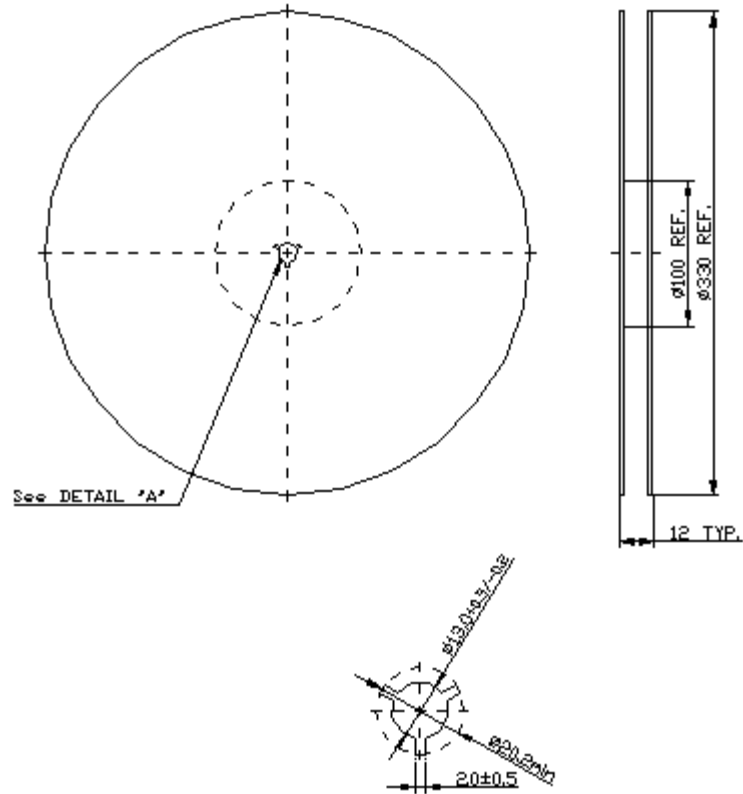


SAW Filter 1260.0MHz
Part No: MP09362

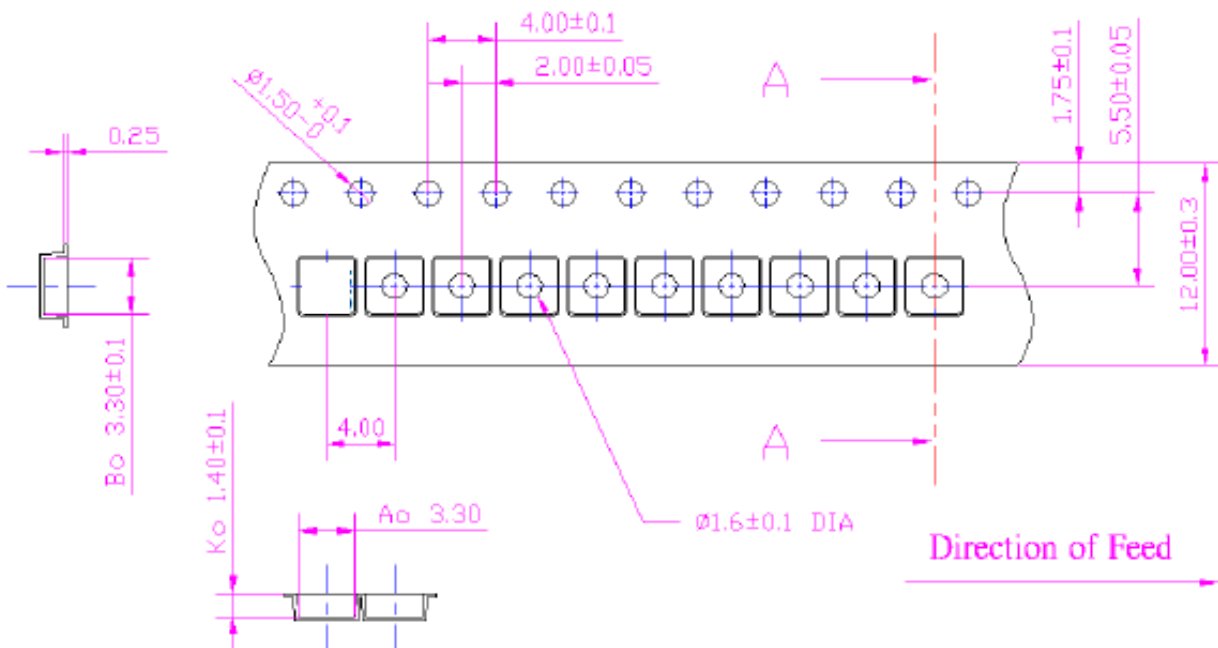
Model: TA1985A
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G. PACKING:

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

