

SAW Filter 1247.50MHz
Part No: MP08540

Model: TA0548A
Rev No: 1

A. MAXIMUM RATING:

Electrostatic Sensitive Device

1. Input Power Level: 10dBm
2. DC voltage: 3V
3. Operating Temperature: -55°C to +60°C
4. Storage Temperature: -55°C to +60°C

B. ELECTRICAL CHARACTERISTICS by 20°C:

Item	Unit	Min.	Typ.	Max.
Center frequency Fc	MHz	-	1247.5	-
Insertion loss IL	dB	-	2.6	5.0
Amplitude ripple (1238 ~ 1257MHz)	dB	-	0.9	1.45
Group Delay Variation(1238 ~ 1257MHz)	ns	-	10.0	15.0
VSWR (1238 ~ 1257MHz)			1.45	2.2
Attenuation (Reference level from 0dB)				
20.000 ~ 1200.0MHz	dB	35	53	-
1295.0 ~ 2500.0MHz	dB	35	45	-
Temperature Coefficient	ppm/°C	-	-36	-
Source impedance Z _s	Ω	-	50	-
Load impedance Z _L	Ω	-	50	-

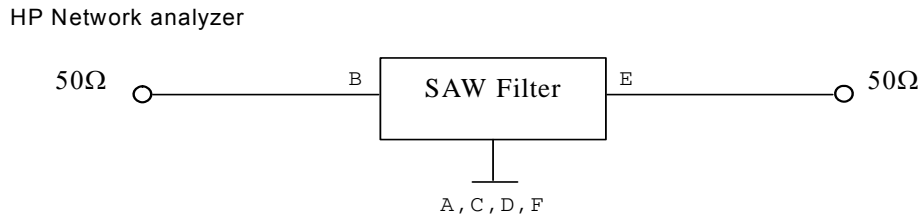
Deviation of centre and boulder frequencies in temperature range from -55°C to +60°C by TCD = -30ppm/grad (for reference).

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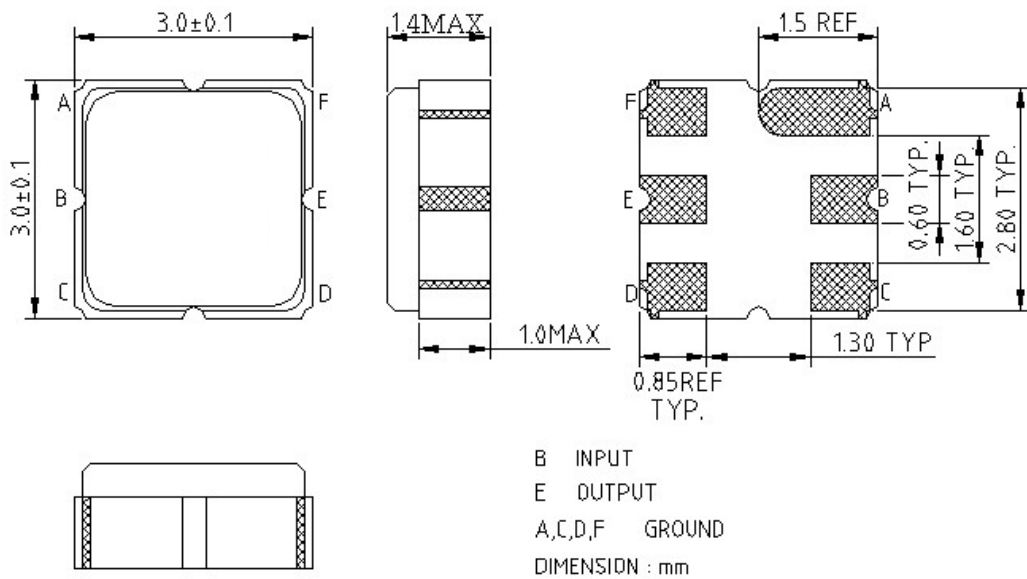
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C. MEASUREMENT CIRCUIT:

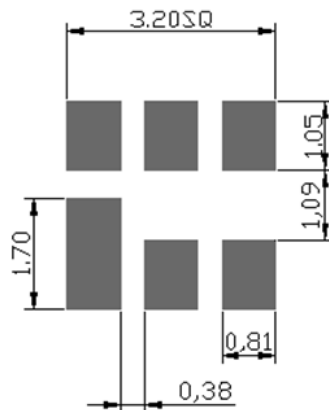
50Ω Test circuit (single-ended / single-ended)



D. OUTLINE DRAWING:



E. PCB FOOTPRINT:

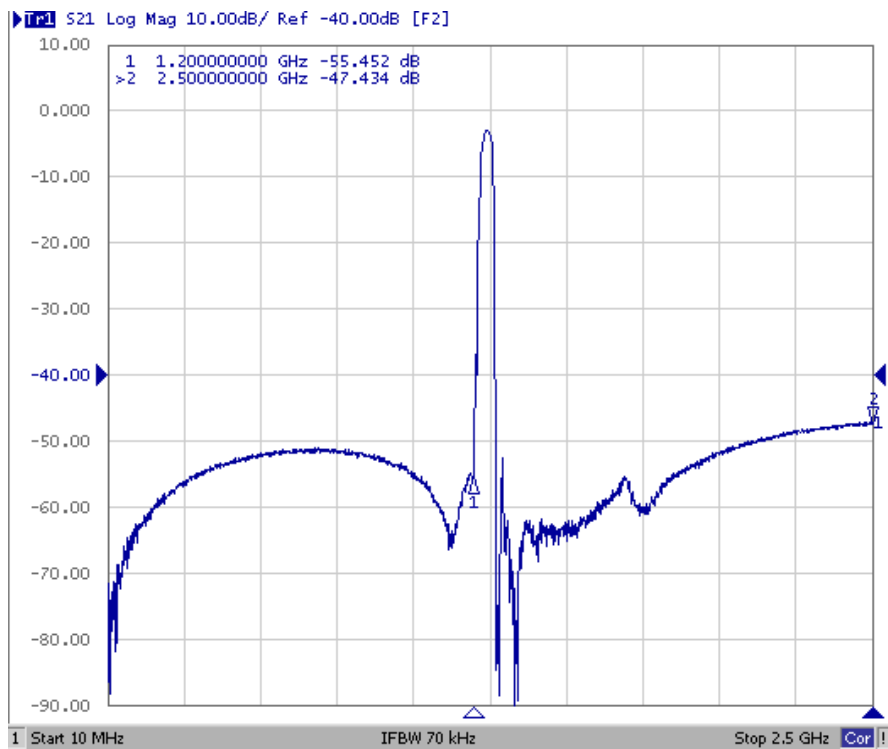
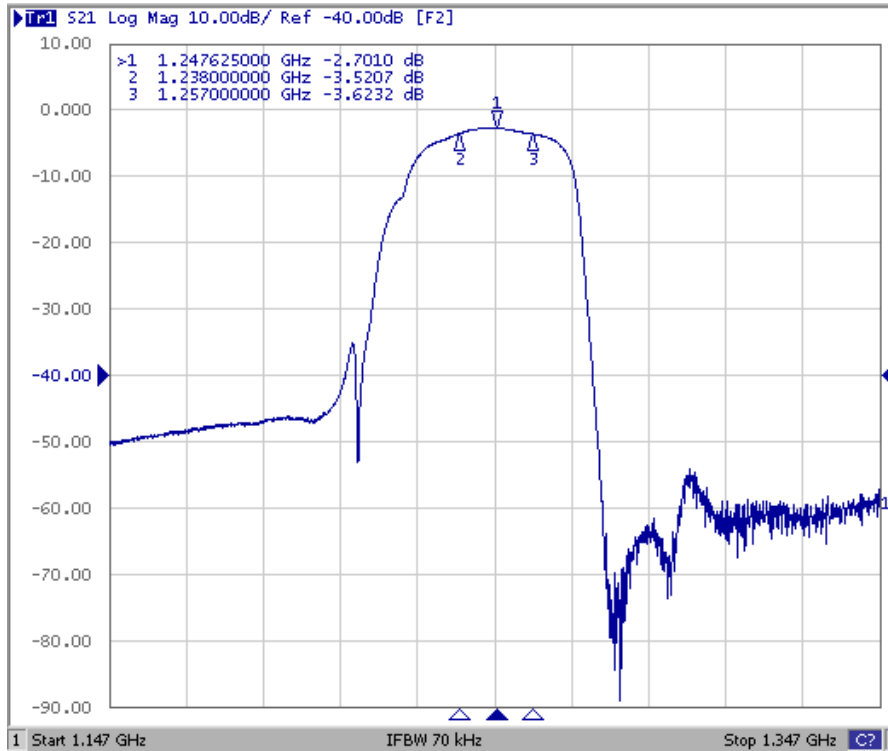


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F. FREQUENCY CHARACTERISTICS:

Transfer functions

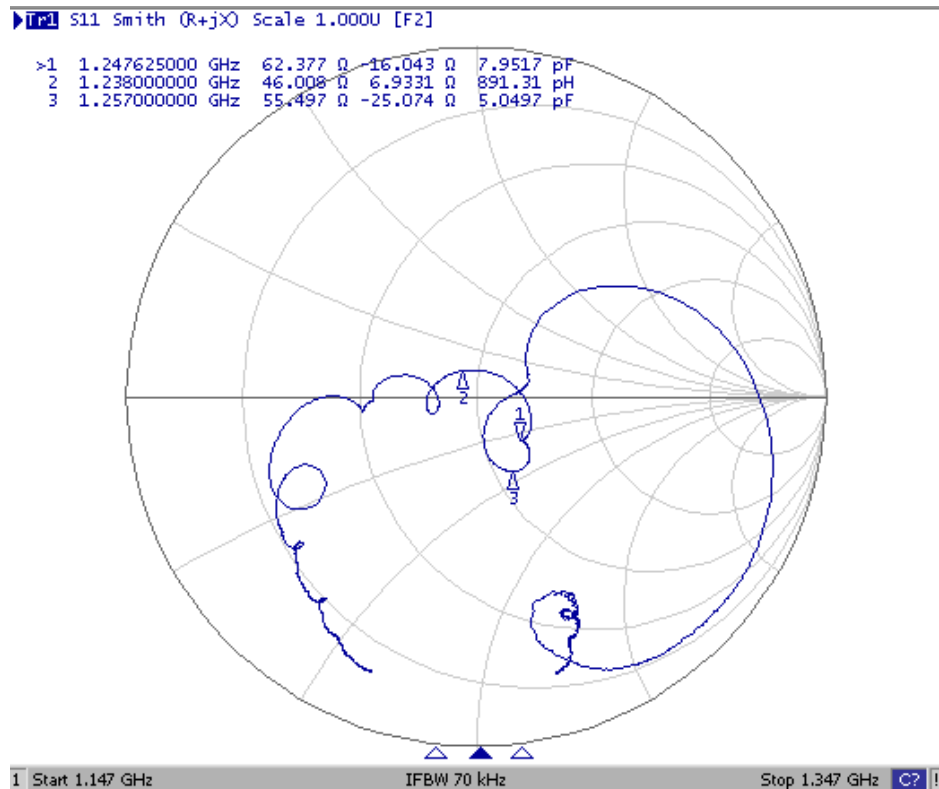
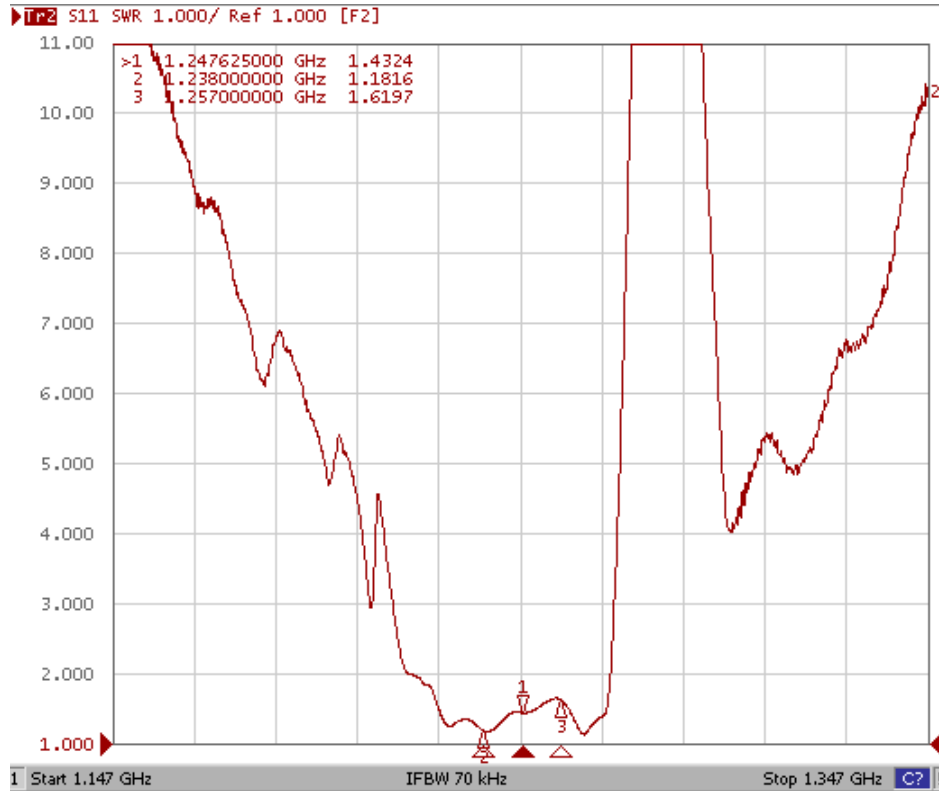


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Reflection functions

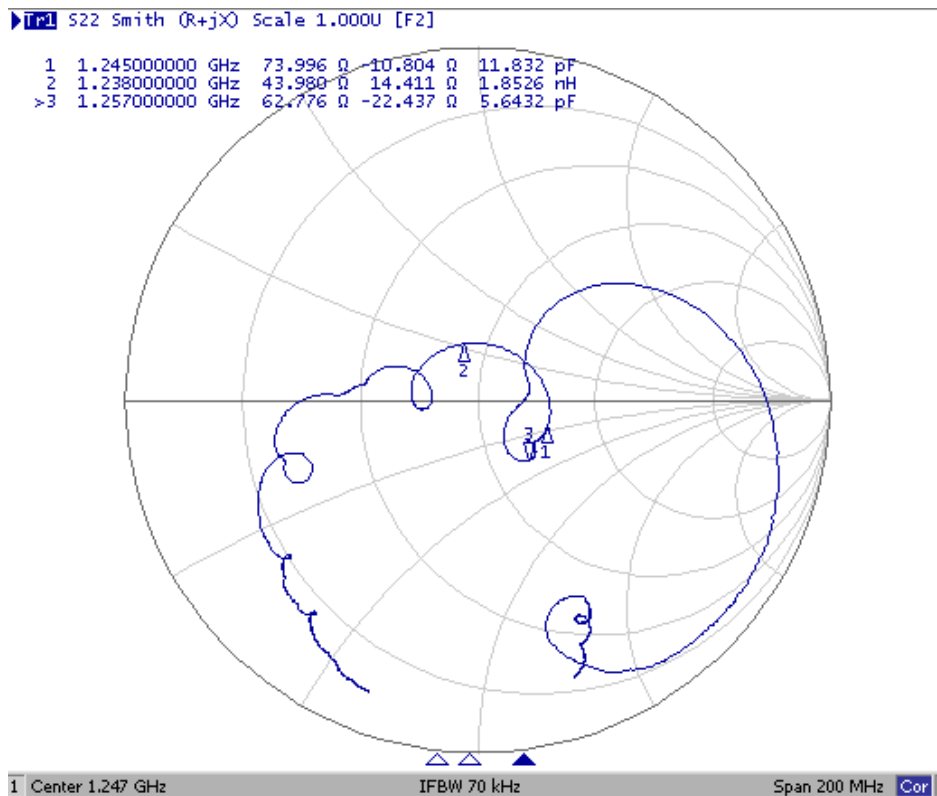
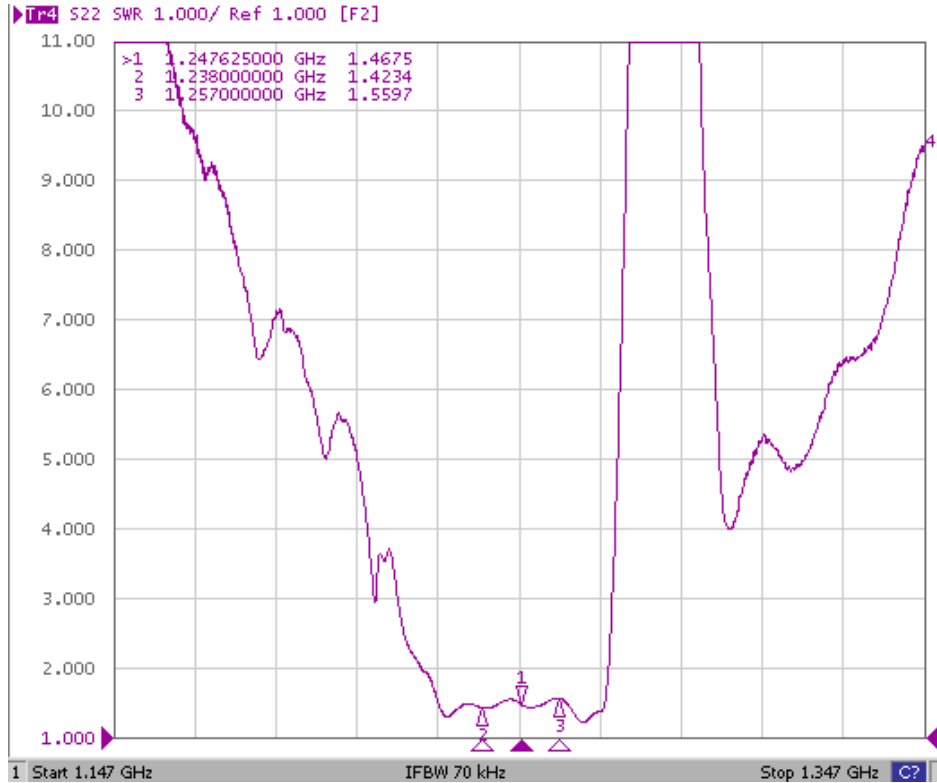
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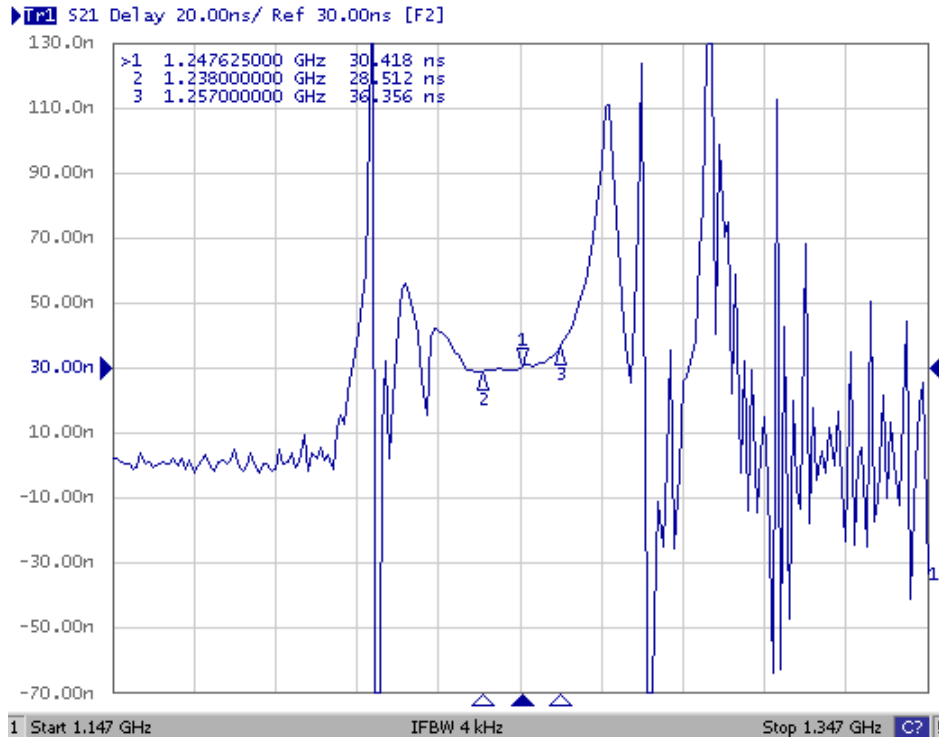
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GDT, ns

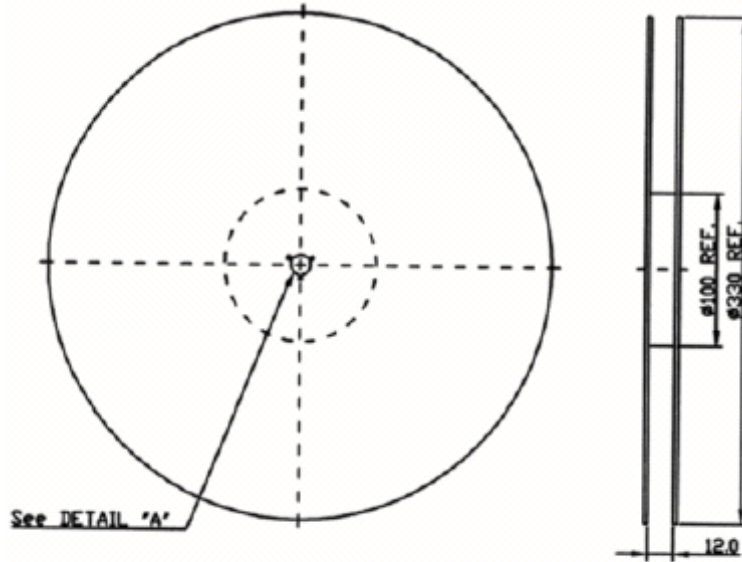


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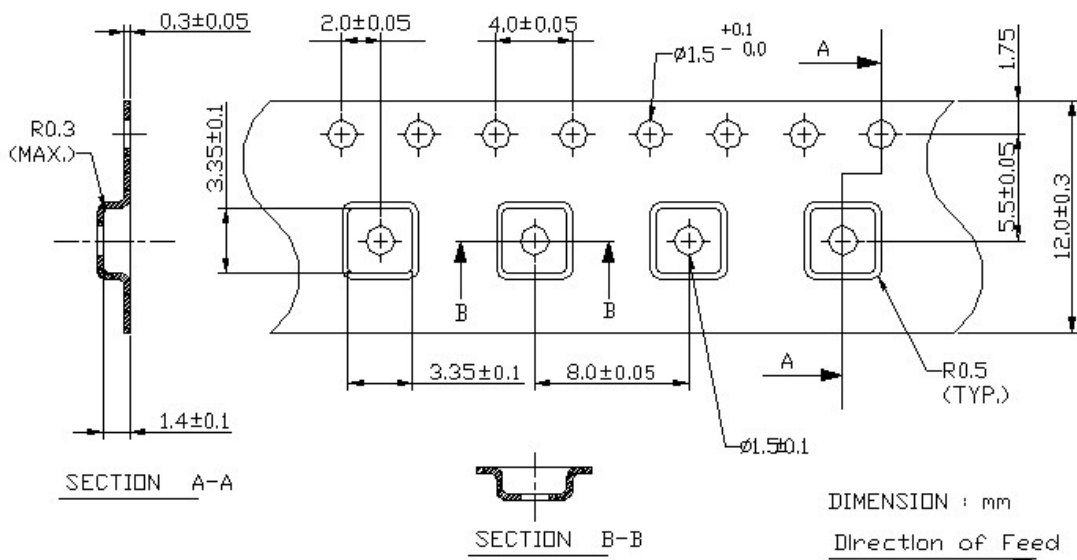
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G. PACKING:

1. Reel Dimension



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

