

SAW Filter 1237.50MHz
Part No: MP01697

Model: TA0871A
Rev No: 1

A. MAXIMUM RATING:

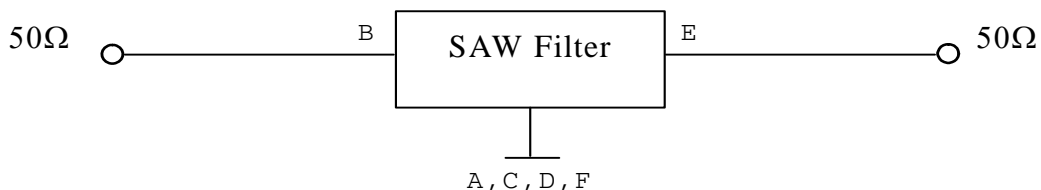
1. Input Power Level: 10dBm
2. DC Voltage: 3V
3. Operating Temperature: -30°C to +80°C
4. Storage Temperature: -40°C to +85°C

B. ELECTRICAL CHARACTERISTICS:

Item	Unit	Min.	Typ.	Max.	Note
Center Frequency Fc	MHz	-	1237.5	-	-
Insertion loss (1225.5 ~ 1249.5MHz) IL	dB	-	2.8	4	-
Amplitude Ripple (1225.5 ~ 1249.5MHz)	dB	-	0.8	1.7	-
Return Loss (1225.5 ~ 1249.5MHz)	dB	9	11	-	-
Group delay ripple (1225.5 ~ 1249.5MHz)	ns	-	9	20	-
Attenuation (Reference level from 0dB)					
100 ~ 1150MHz	dB	40	52	-	-
1350 ~ 2500MHz	dB	40	45	-	-

C. MEASUREMENT CIRCUIT:

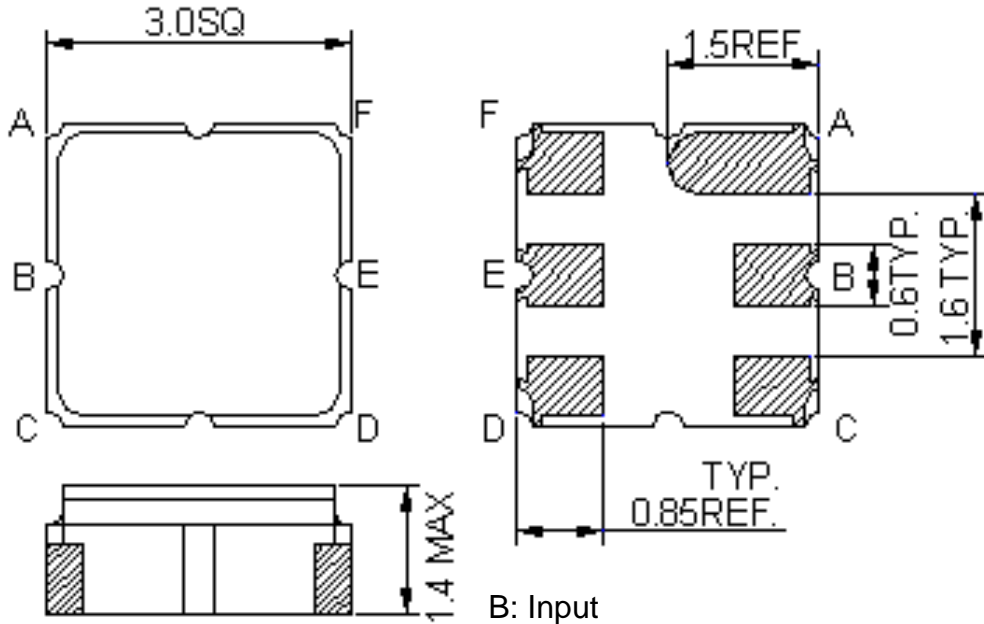
HP Network analyzer



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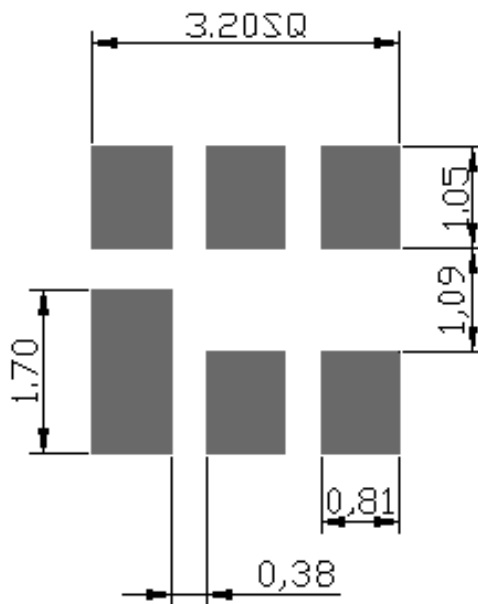
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D. OUTLINE DRAWING:



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

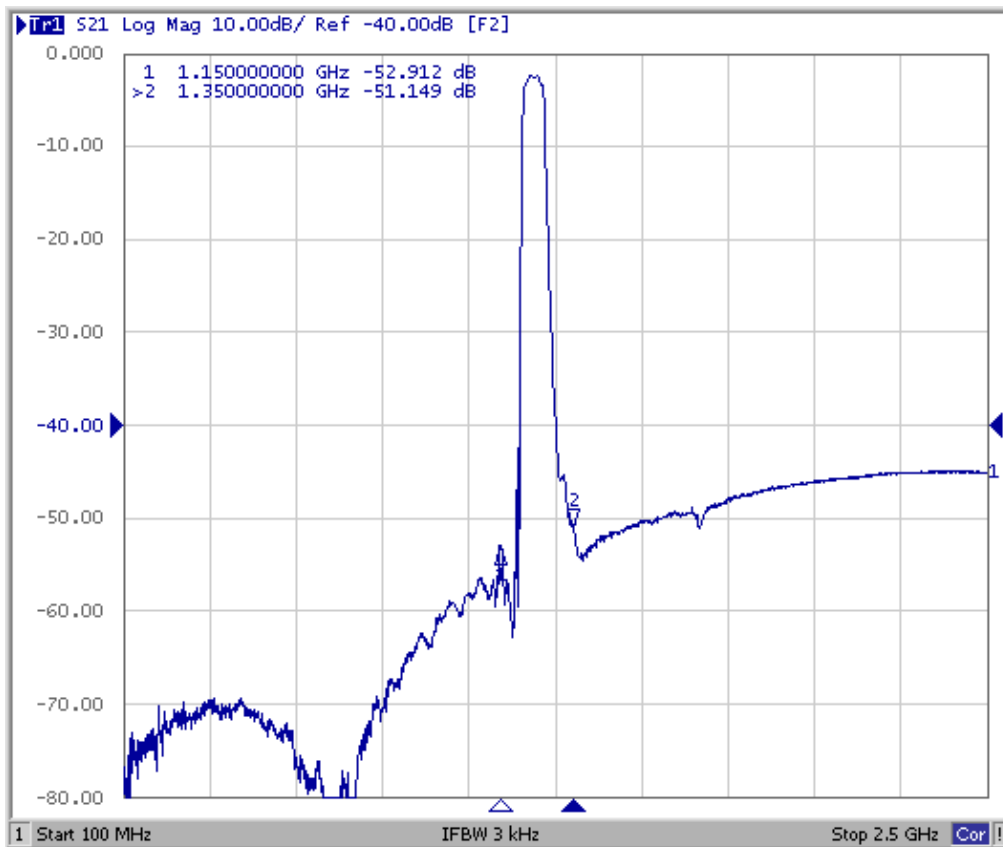
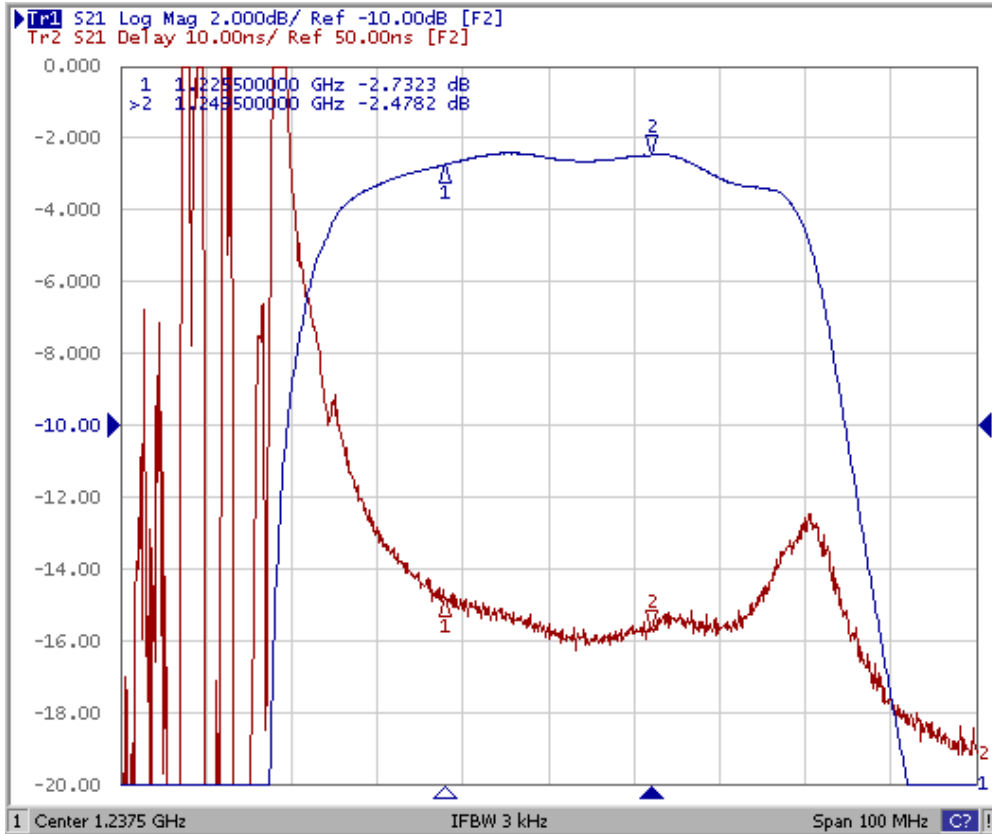
E. PCB FOOTPRINT:



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F. FREQUENCY CHARACTERISTICS:

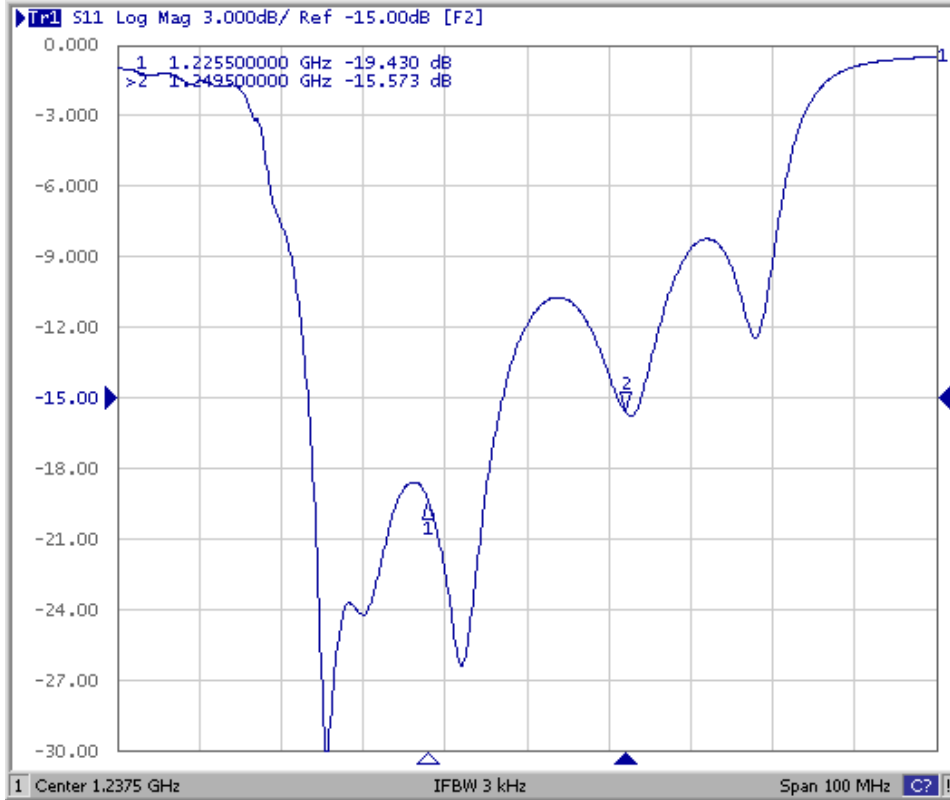


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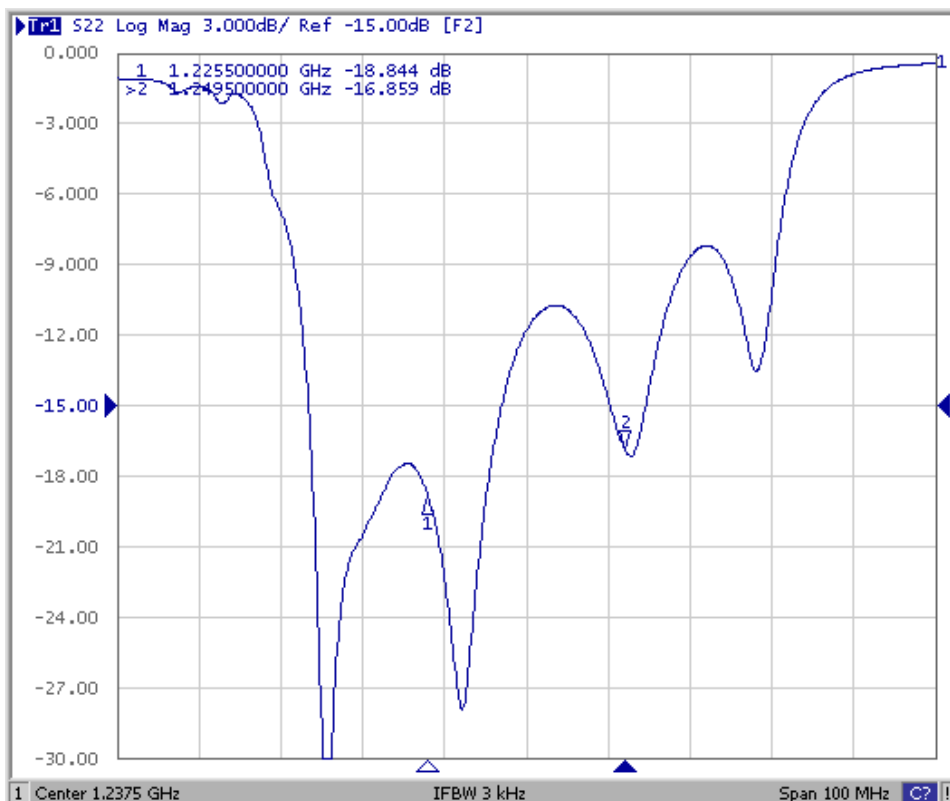
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Reflection Functions

S11



S22

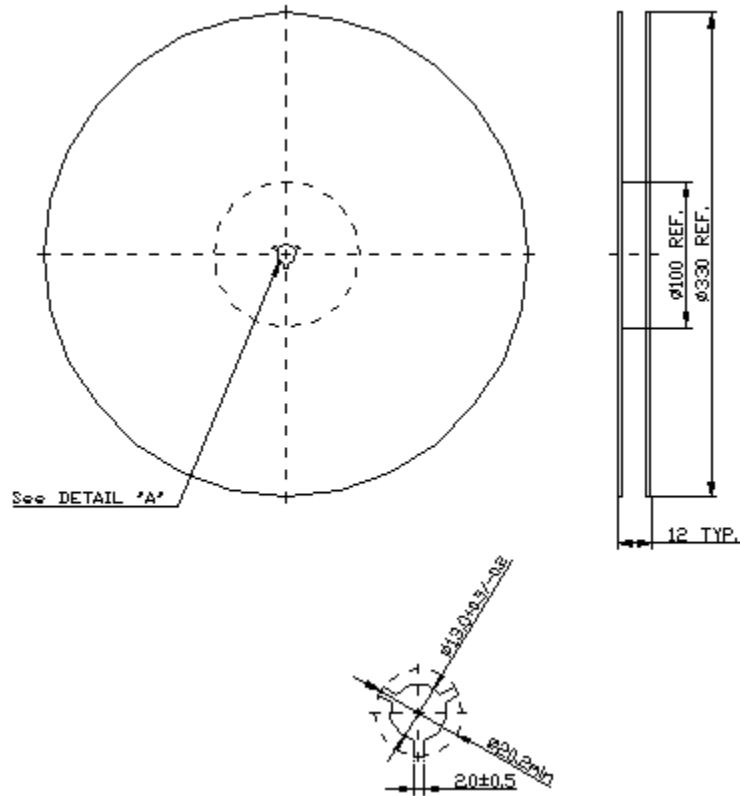


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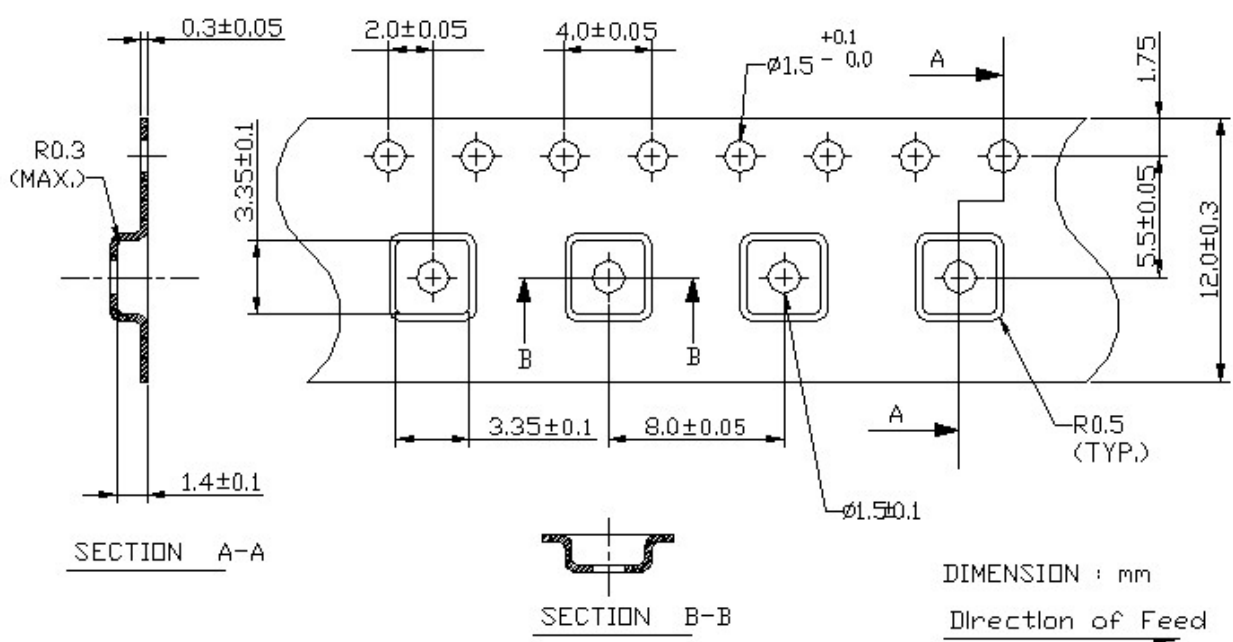
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G. PACKING:

1. Reel Dimension (Reel Count: 7" = 1000; 13" = 3000)



2. Tape Dimension



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H. RECOMMENDED REFLOW PROFILE:

