



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

4800 MHz Ceramic Bandpass Filter

Part Number: AM4800B1551



Electrical specifications

Center Frequency: 4800 MHz
Bandwidth: 160 MHz
Return Loss: 1.7 : 1 max
Insertion Loss (F0): 2.0 dB max
Ripple in BW: 1.0 dB max
Input / Output Impedance: 50 Ohms
Rejection1: 25dB min at 4620MHz
Rejection 2: 25dB min at 4960MHz
Power Handling: 30 dBm max

Mechanical

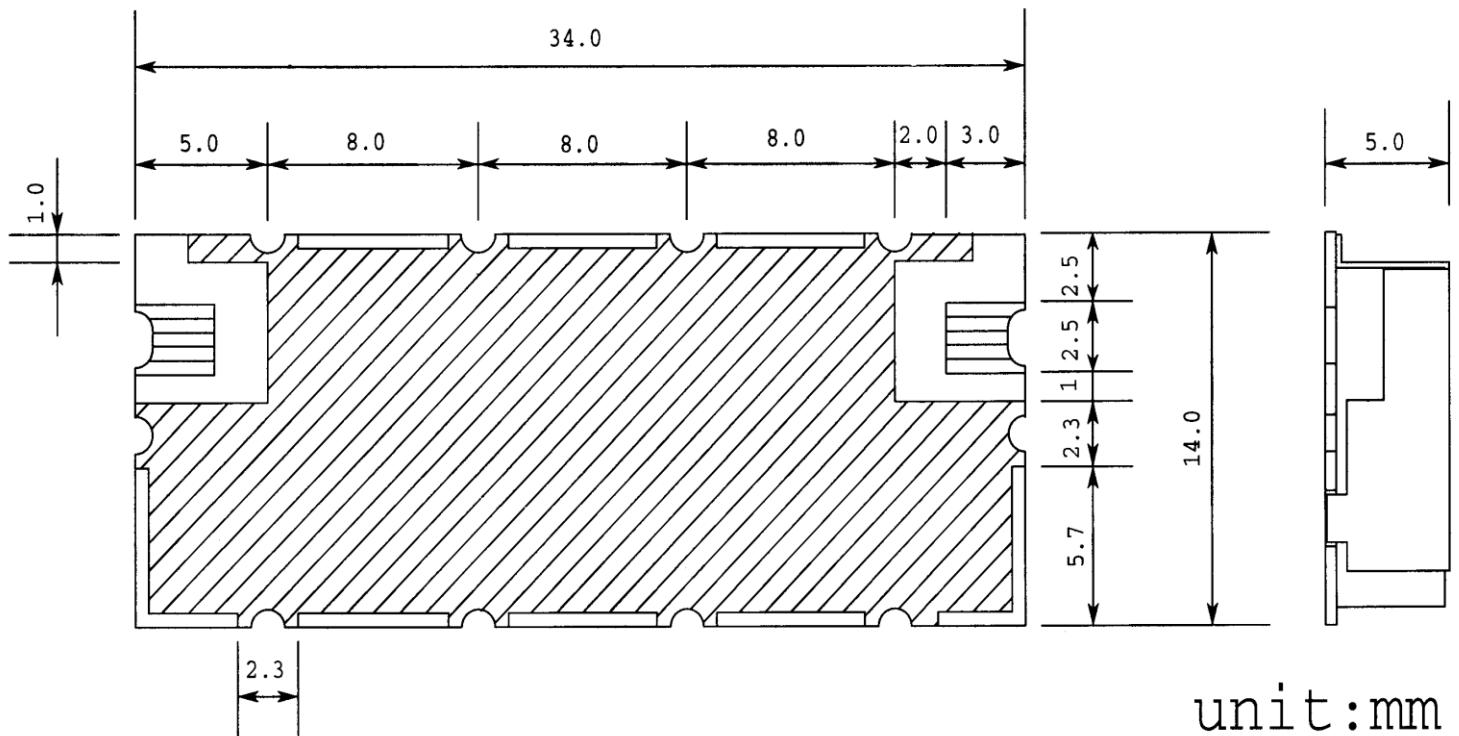
Mounting Method: SMT
Dimensions: 34 x 14 x 5 mm

Environmental

Operating Temperature: -40 to +85 deg. C
Storage Temperature: -55 to +95 deg. C

This product is RoHs compliant.

Outline Drawing:



2 decimal places: +/-0.01 inches [+/- 0.3mm]
 3 decimal places: +/- 0.005 inches [+/- 0.13mm]
 Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



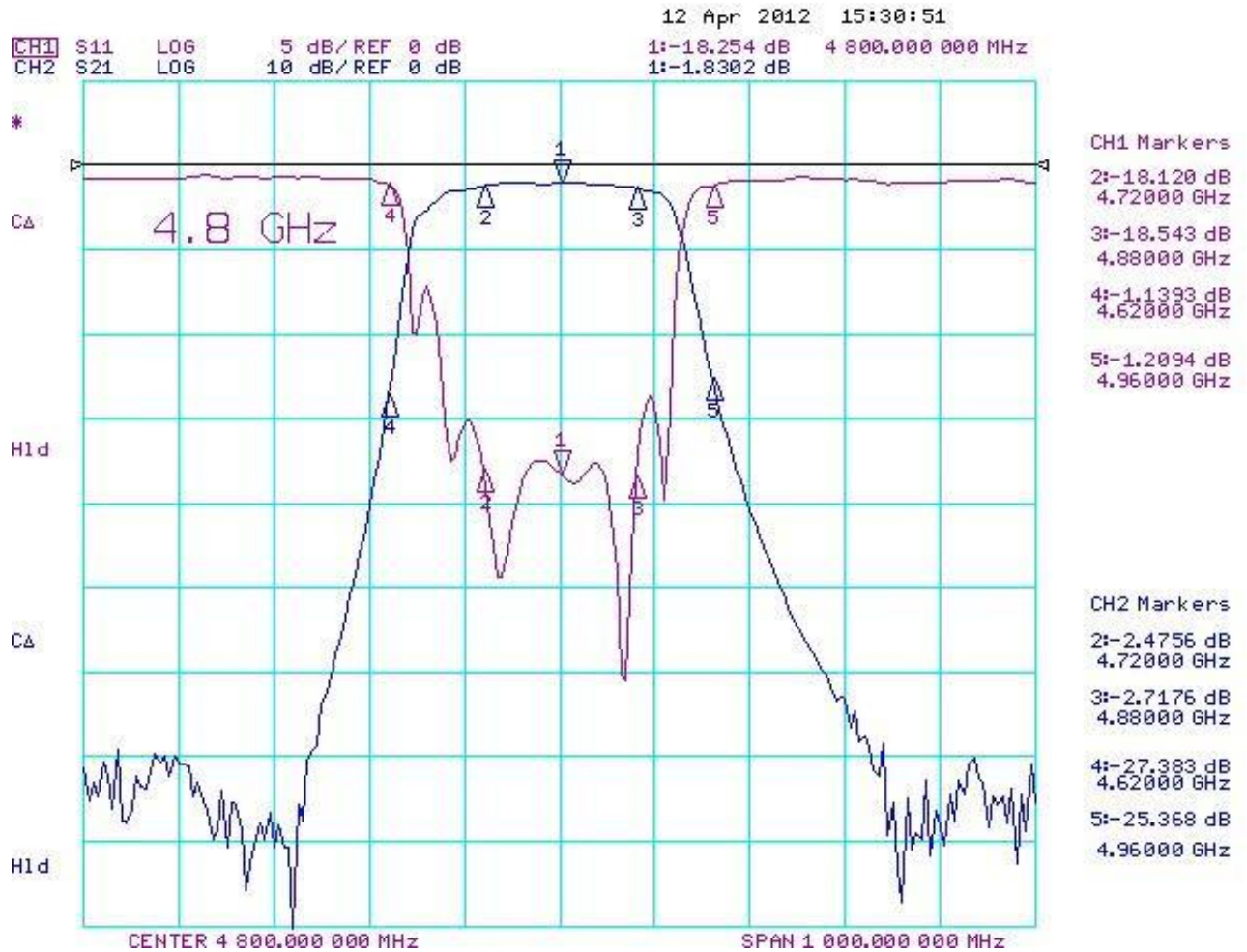
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Response Plots:





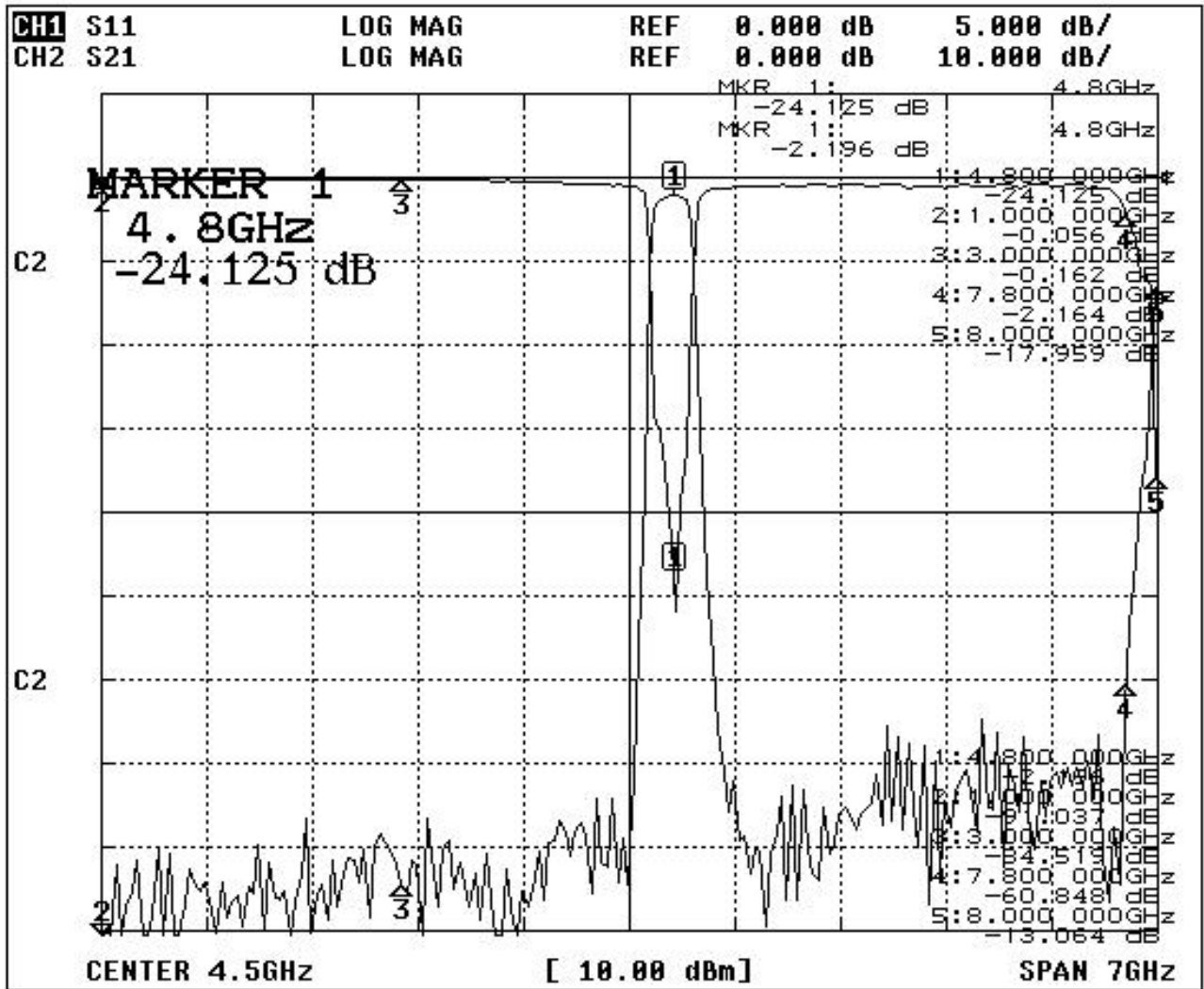
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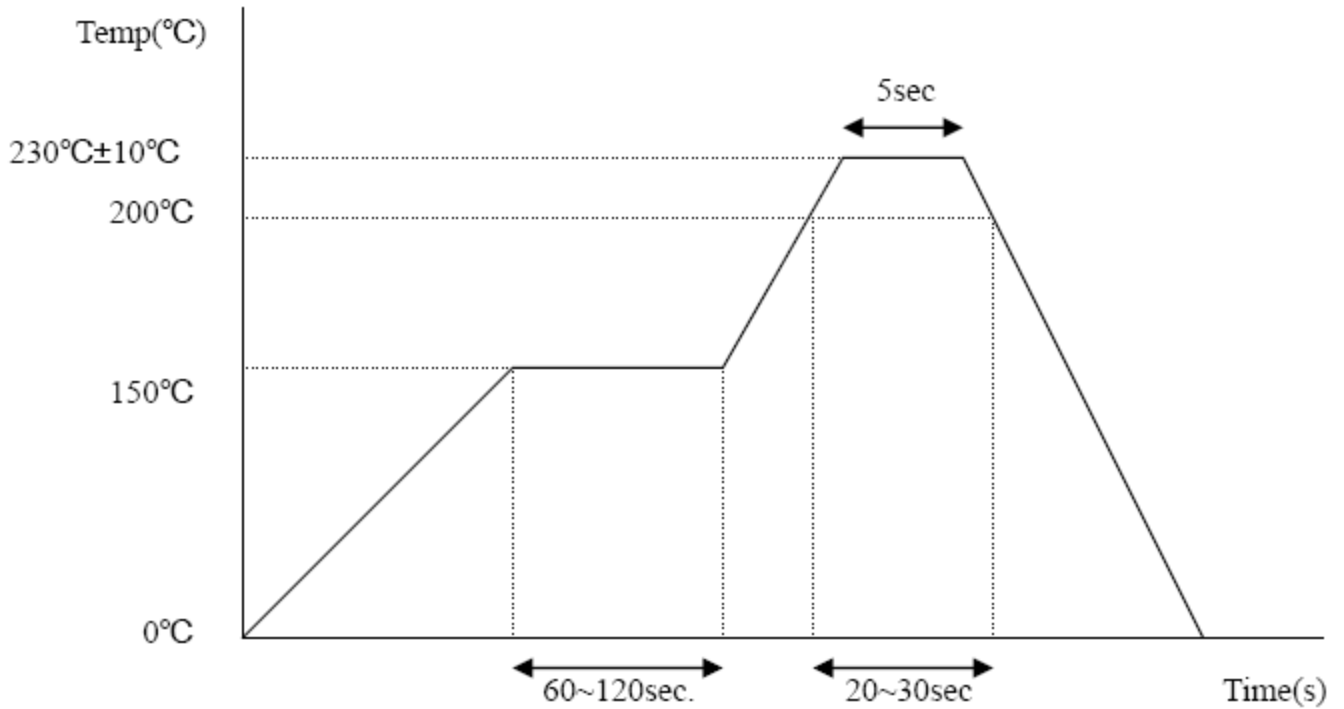
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Response Plots:





Leave it at temperatures shown in FIG.2 for specified length of time. After two cycle of this operation, keep it in standard conditions for 1 to 2 hours. Then it should satisfy the TABLE 1.
FIG.1 RECOMMENDED TEMPERATURE PROFILE





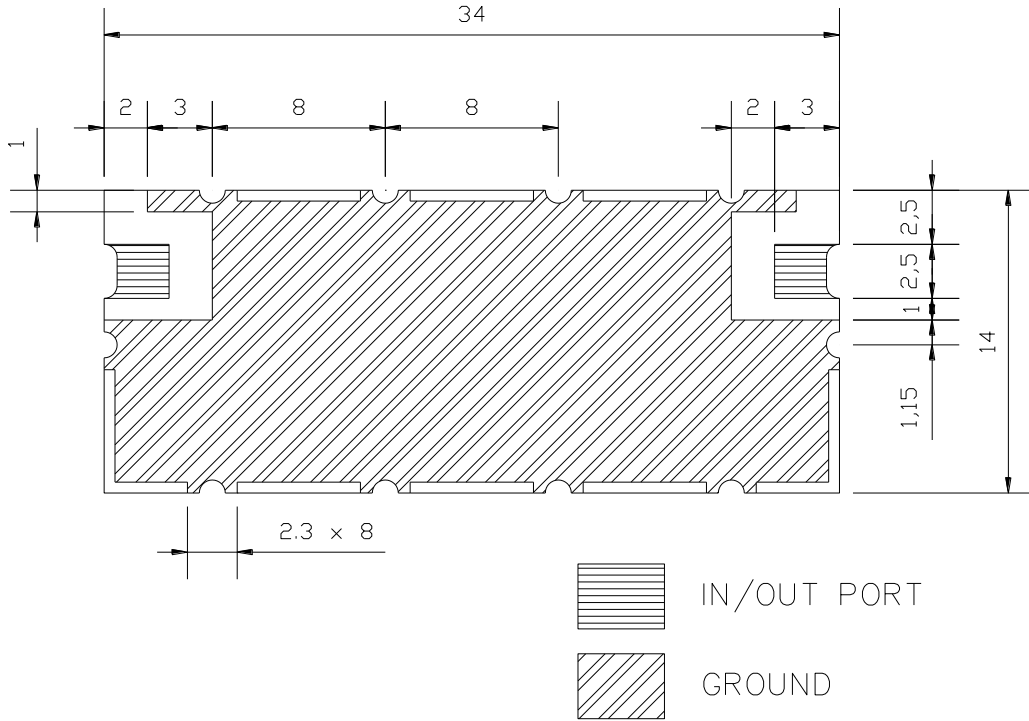
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Solder Pattern:





Footprint:

