



4800 MHz Ceramic Bandpass Filter

Part Number: AE4800CB1808



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

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: 25 dB Min @ 4620MHz
Rejection2: 60 dB min @ 4550 MHz
Rejection3: 25 dB Min @ 4960 MHz
Rejection4: 50 dB Min @ 5050 MHz
Rejection5: 60 dB Min @ 5080 MHz
Power Handling: 30 dBm max

Mechanical

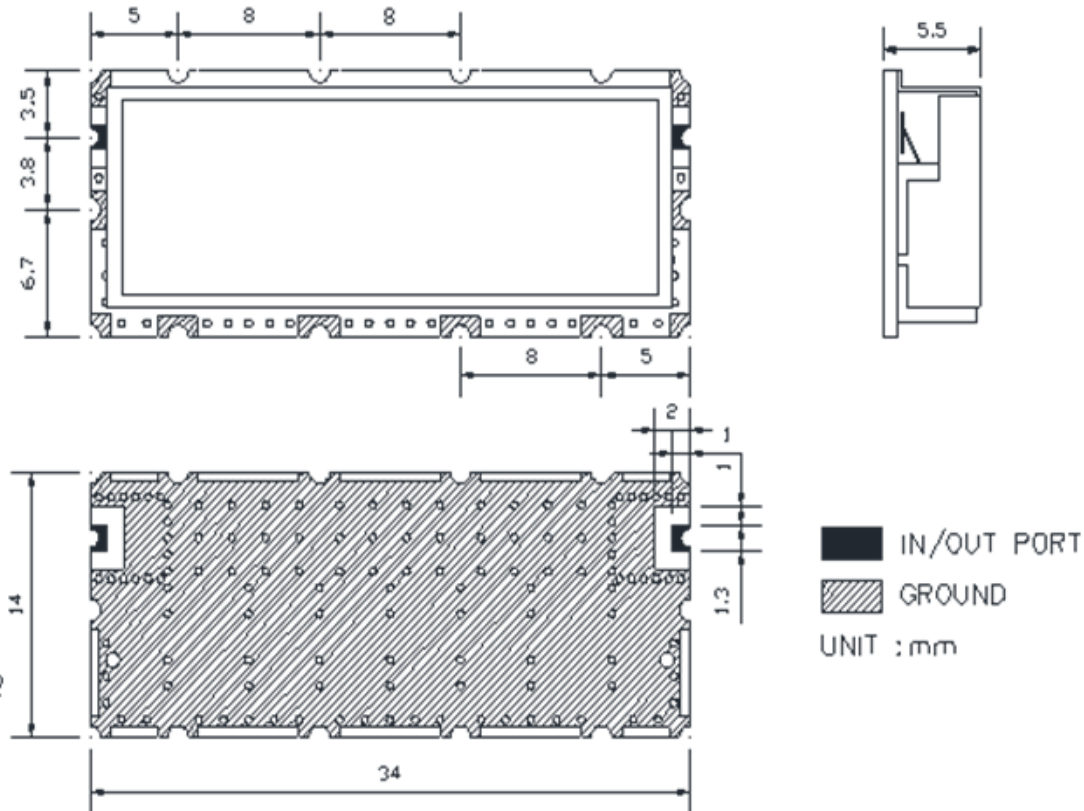
Mounting Method: SMT
Dimensions: 34 x 14 x 5.5 mm

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.



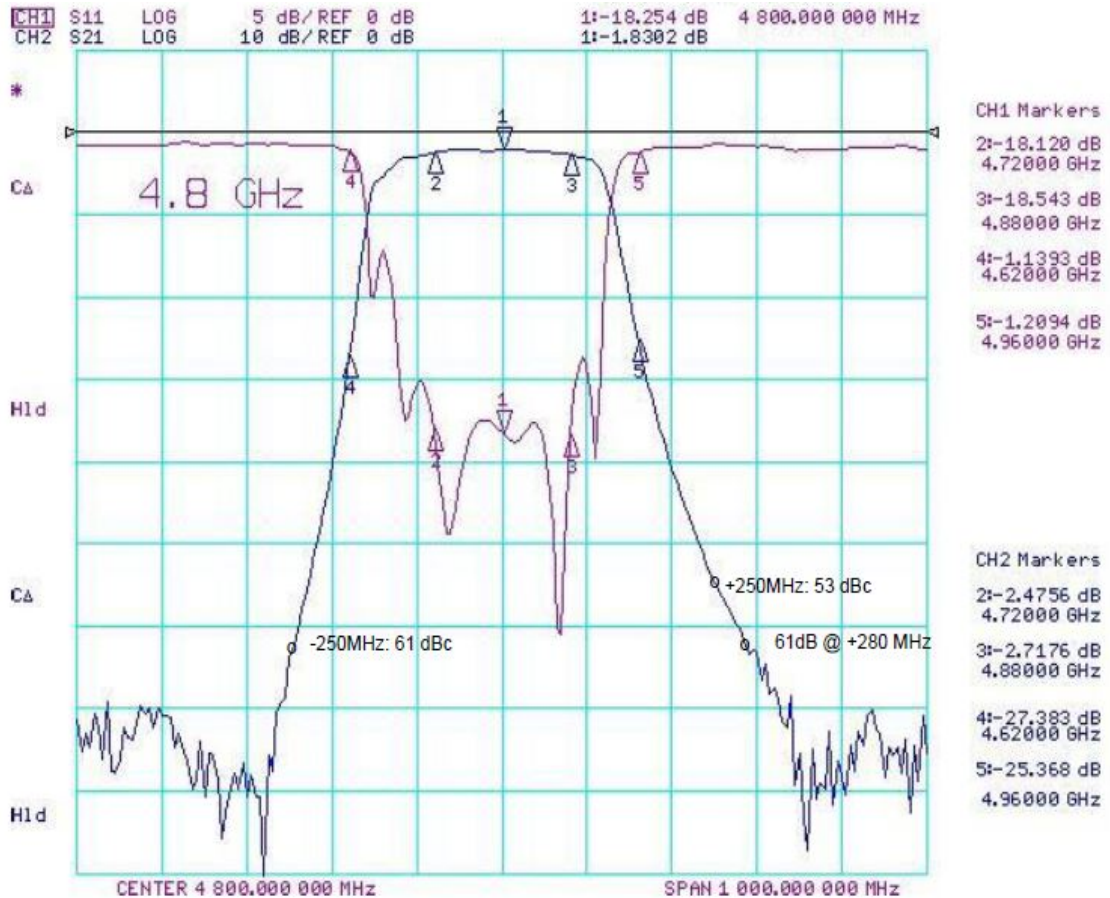
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Response Plots:





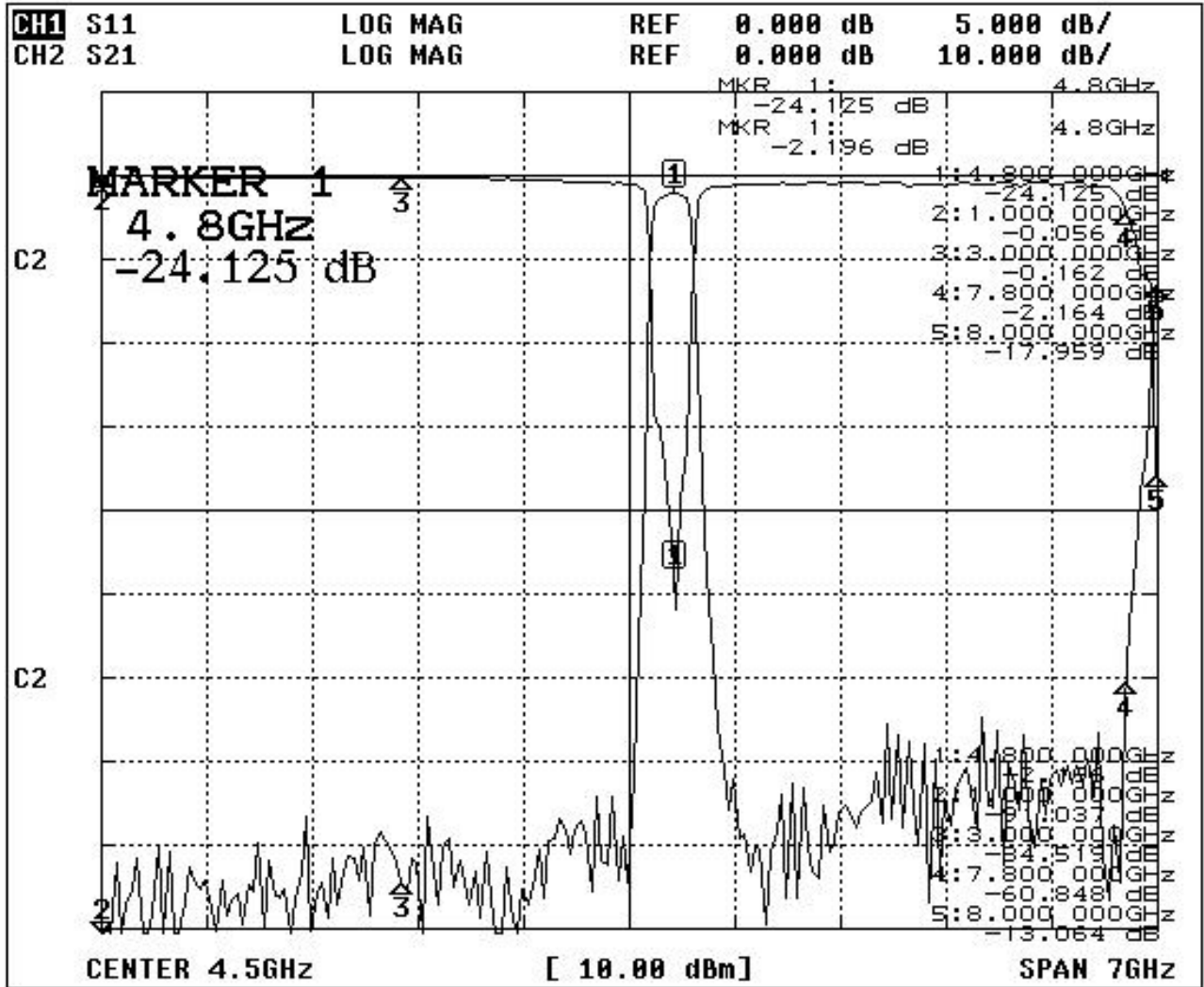
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Response Plots:





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

