



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

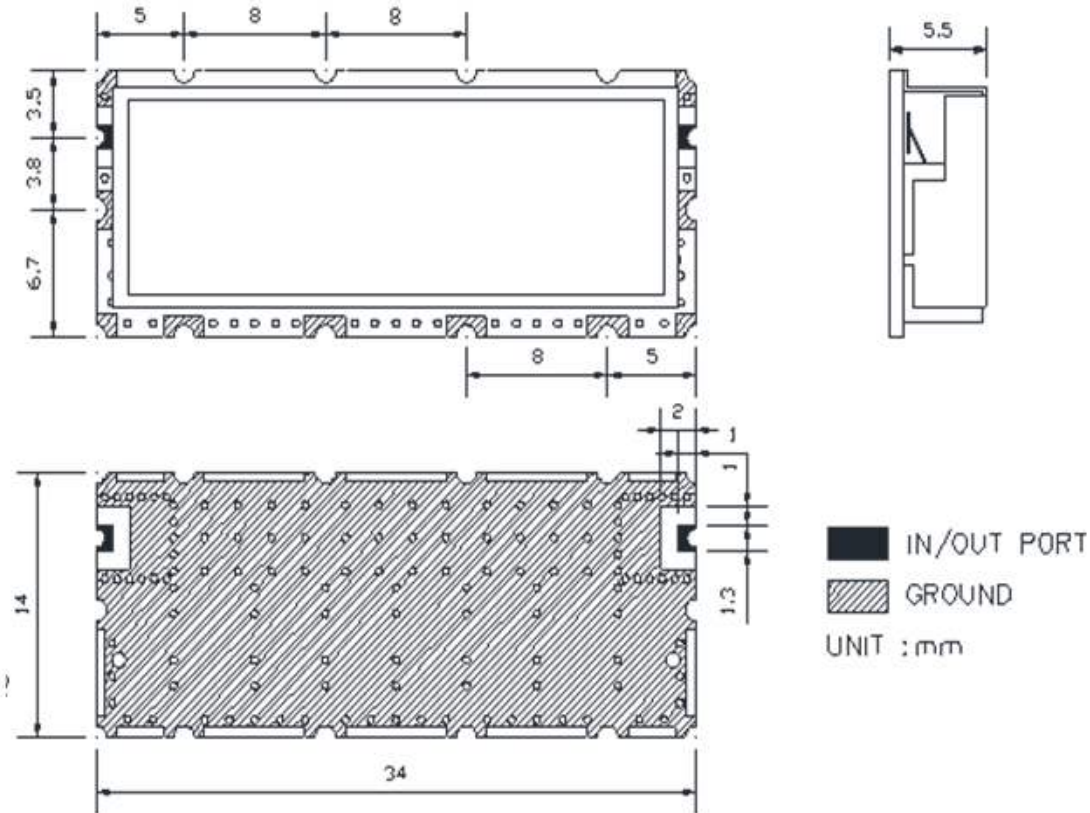
- Mounting Method:** SMT
- Dimensions:** 34 x 14 x 5.5 mm

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.



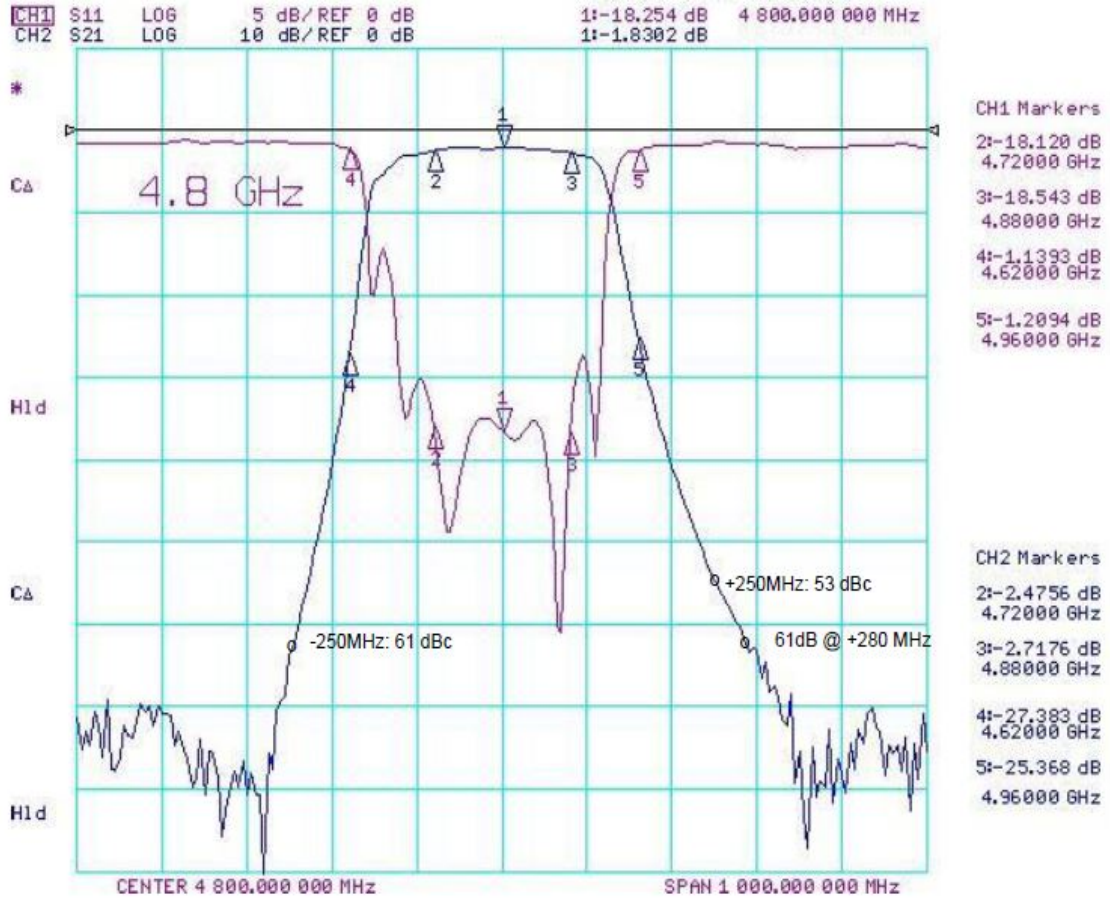
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Response Plots:





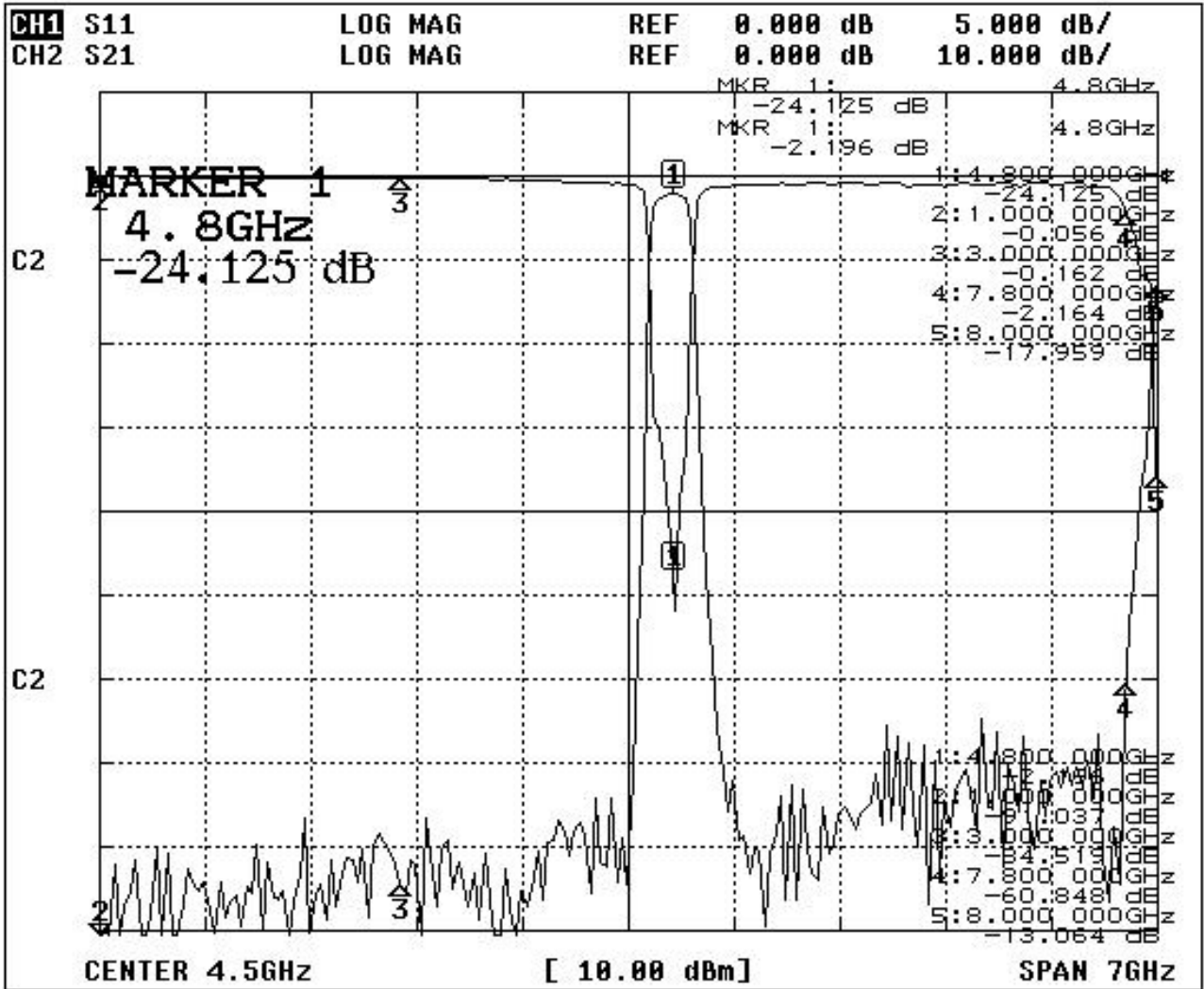
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Response Plots:





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

