



864.8-868.8 MHz Cavity Notch Filter



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE866N2265

Electrical Specifications

- Notch Band (NB):** 864.8-868.8 MHz
- Rejection In NB:** 40dB Min
- Rejection @ 869.5 MHz:** >25 dB.
- Passband Below Notch:** DC-863.8 MHz
- Passband Above Notch:** 870.8-2700 MHz
- PB Insertion Loss:** <=1.0dB @ DC-835 MHz
- PB Insertion Loss:** <=3.2dB @ 863.8 MHz
- PB Insertion Loss:** <=2dB @ 870.8 MHz
- PB Insertion Loss:** <=1.0dB @ 871.9-2700 MHz
- VSWR In Pass Bands:** 1.5:1 Max.
- PIM:** 3rd -150 dBc @ 2 x 43 dBm
- Power Handling:** 40 Watts Ave.
- Impedance:** 50 Ohms

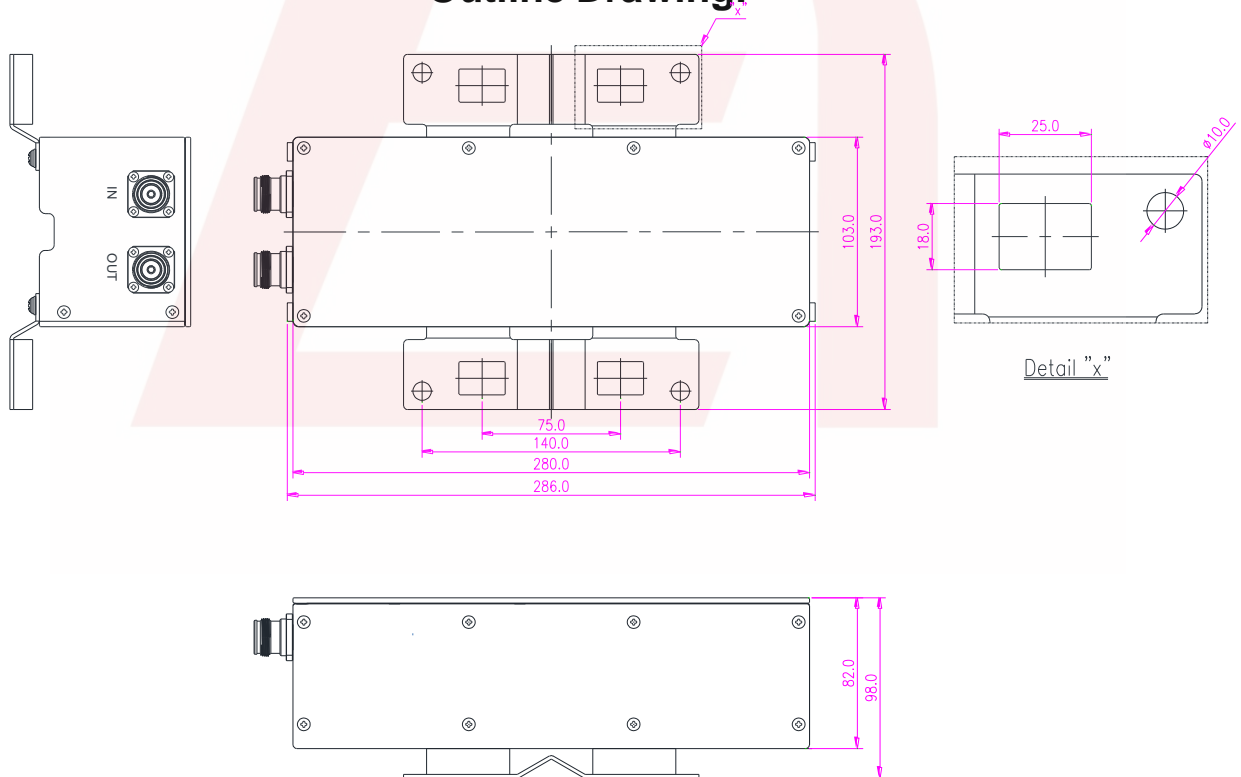
Mechanical

- Mounting Method:** Brackets
- Connector Type:** 4.3-10 Female
- Dimensions (Case body):** 280 x 103 x 82 (11" X 4.05" x 3.2")

Environmental

- Operating Temperature:** -40°C to +70°C
- Storage Temperature:** -55°C to +95°C
- Shock:** 20 G. 11ms
- Vibration:** 20 G. 5 to 200Hz
- IP Rate:** IP65 for outdoor

Outline Drawing:



Tolerance: +/-0.01 inches [+/- 0.3mm]

Angles: +/- 1 Deg.

*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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

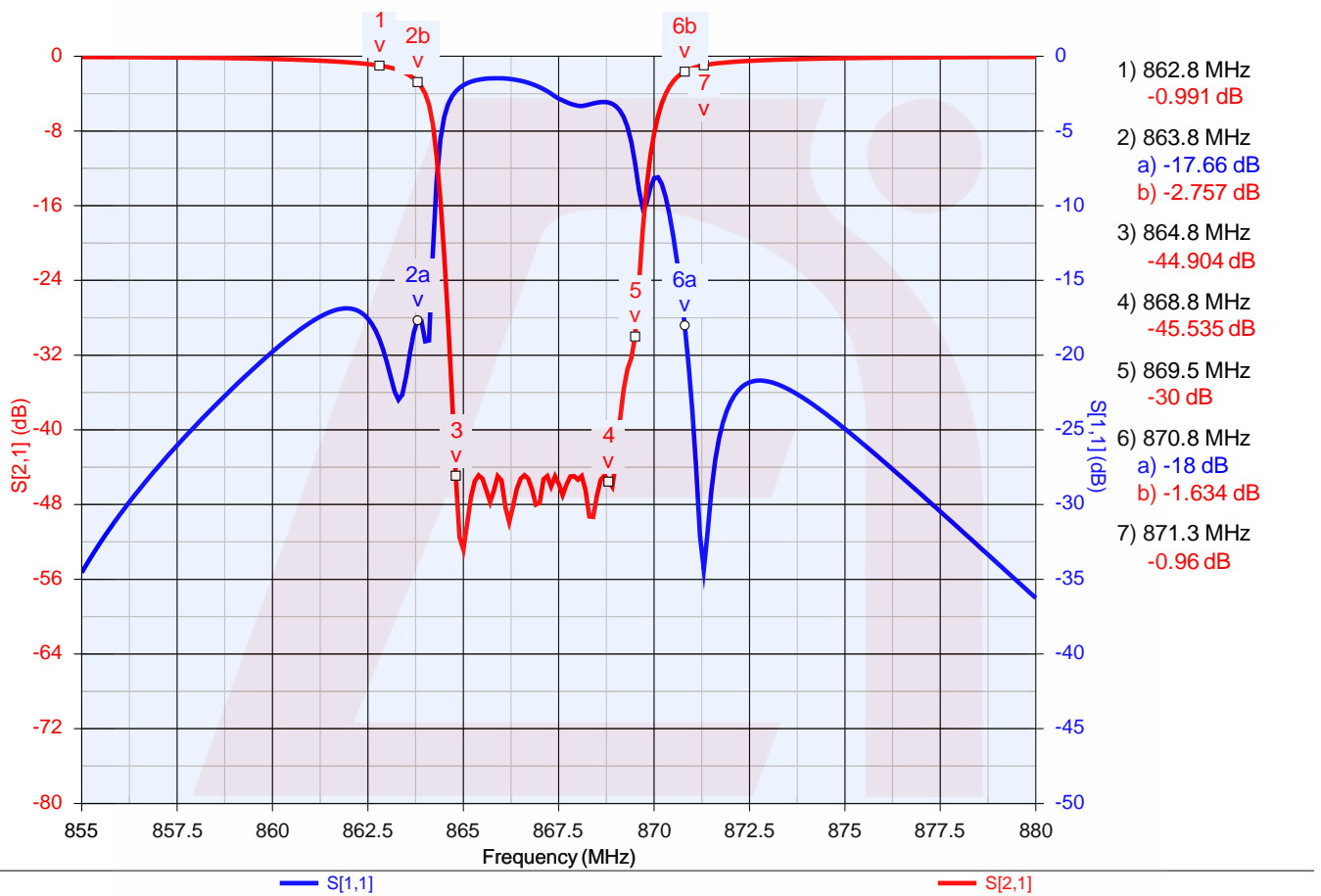
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Simulation Plot





Simulation Plot

