



864.8-868.8 MHz Cavity Notch Filter



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

Part Number: AE866N2264

Electrical Specifications

Notch Band (NB): 864.8-868.8 MHz
Rejection In NB: 40dB Min
Rejection @ 869.5 MHz: 25 dB Min
Passband Below Notch: DC-863.8 MHz
Passband Above Notch: 870.8-2700 MHz
PB Insertion Loss: 1.0 dB Max @ DC-835 MHz
PB Insertion Loss: 6.0 dB Max @ 863.8 MHz
PB Insertion Loss: 3.0 dB Max @ 870.8 MHz
PB Insertion Loss: 1.0 dB Max @ 871.9-2700 MHz
VSWR In Pass Bands: 1.5:1 Max.
PIM: 3rd -150 dBc @ 2*43 dBm Min
Power Handling: 40 Watts Avg
Impedance: 50 Ohms

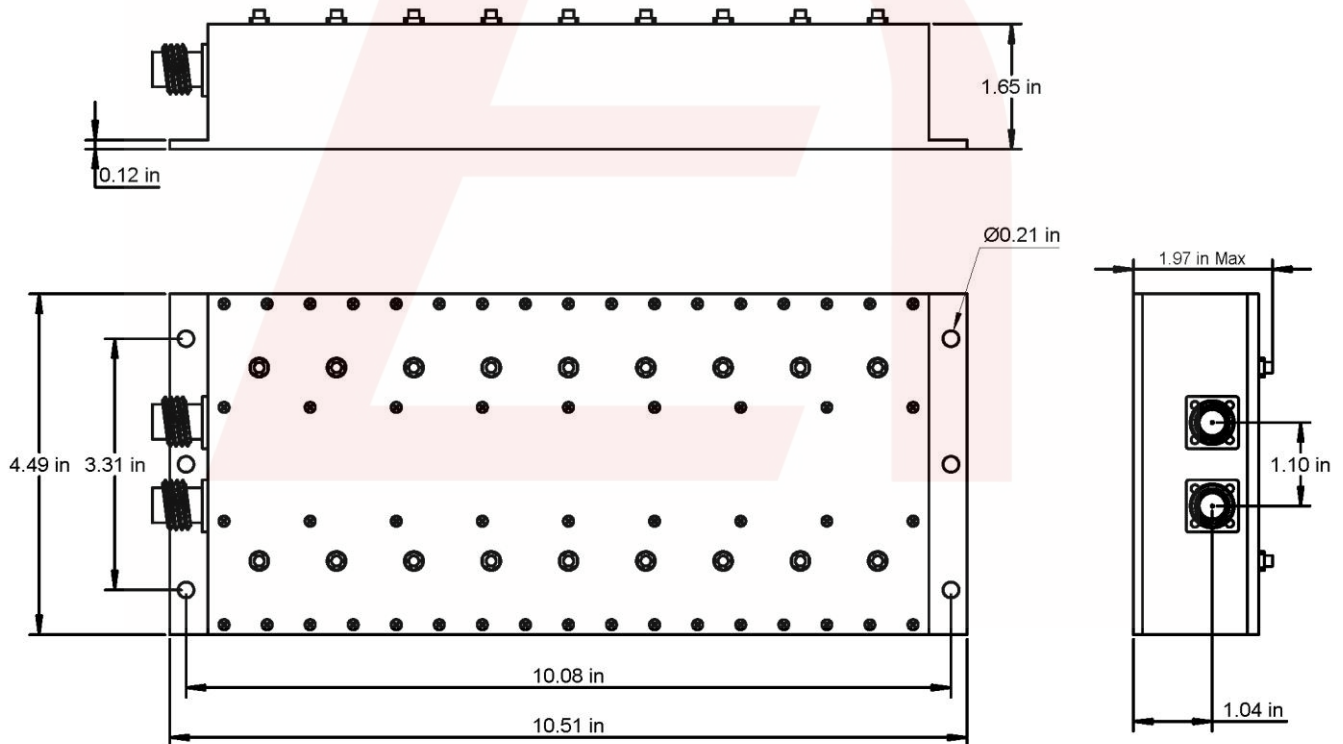
Mechanical

Mounting Method: Brackets
Connector Type: 4.3-10 Female
Dimensions: 10.51 x 4.49 x 1.97 inches

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

Outline Drawing:



DS-N2264-08302022-Rev2

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

Angles: +/- 1 Deg.

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

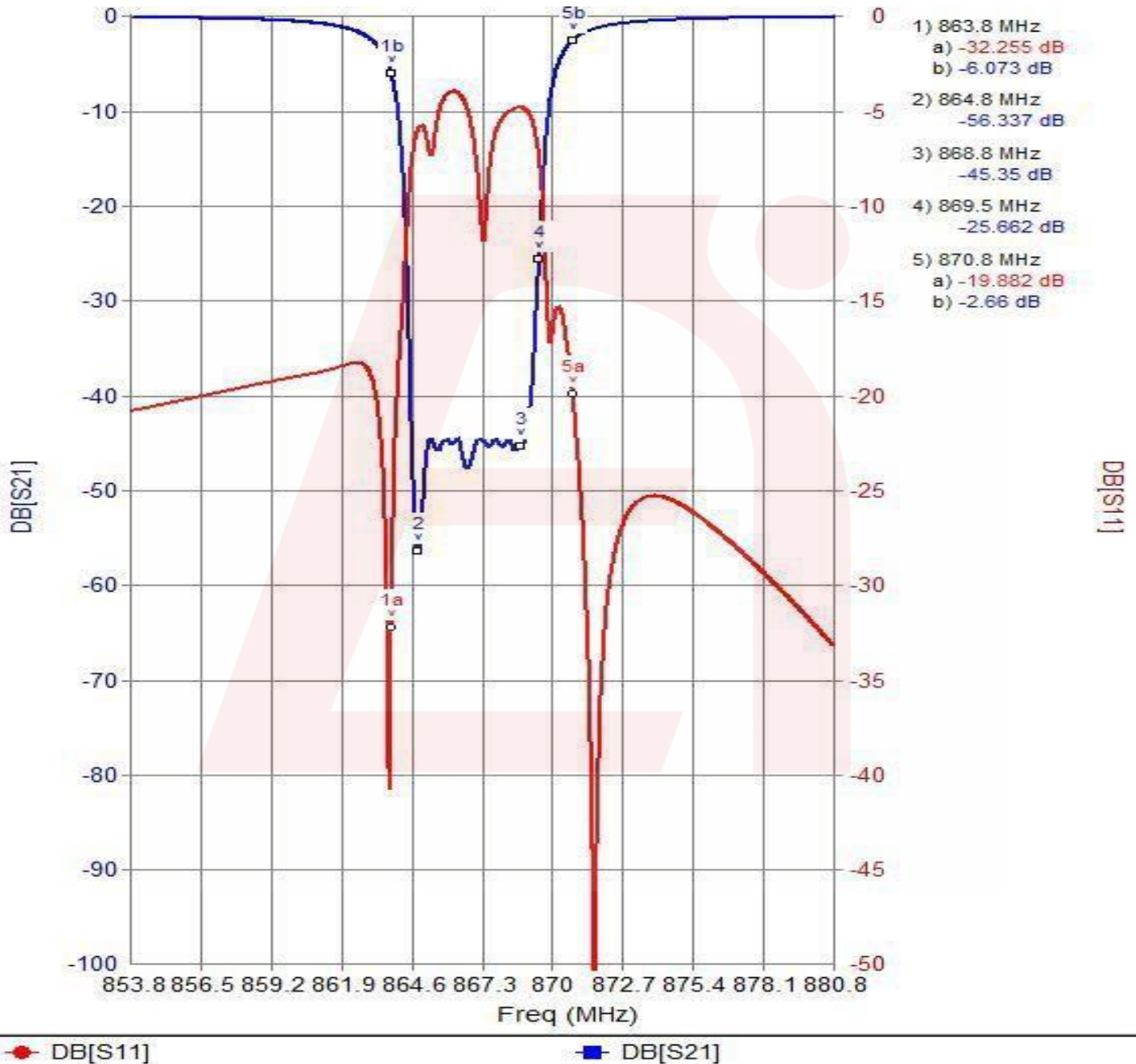
*When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.

70 Outwater Lane Phone: (973) 772-4242
Garfield, NJ 07026 Fax : (973) 321-3941

Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com



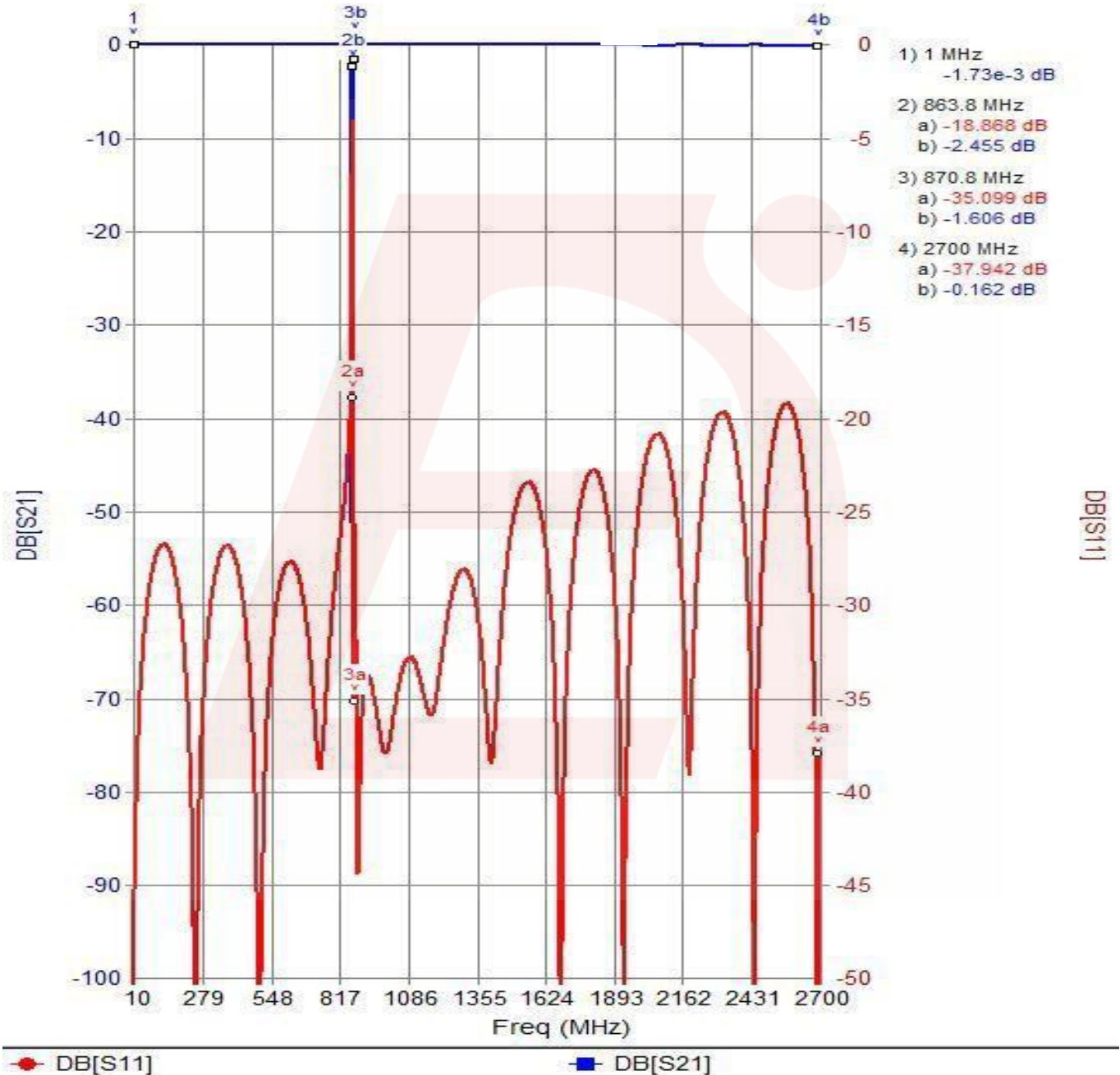
Simulation Plot



DS-N2264-08302022-Rev2



Simulation Plot



DS-N2264-08302022-Rev2