ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

915 MHz / 512 MHz Cavity Duplexer

Part Number: AE915-512DB5398

ISO 9001 REGISTERED FIRM

Electrical Specifications:

Band 1

Center Frequency: 915 MHz
Bandwidth: 26 MHz
Input / Output Impedance: 50 Ohms
Passband: 902-928 MHz
Passband Insertion Loss: 1.5 dB
Passband Ripple: <0.2 dB
Passband Return Loss: 20dB
Rejection @ 850~894MHz: >45dB
Rejection @ 936~950MHz: >45dB
Power Handling: 30 W

Band 2

Center Frequency: 512 MHz
Bandwidth: 49.5 MHz
Passband: 488.0-537.5 MHz
Insertion Loss at Fo: 1.0 dB Max
Insertion Loss at PB edges (488.0 & 537.5): 2.0 dB Max
Rejection: >20 dB @ 485.0 MHz
>20 dB @ 540.5 MHz
Ultimate Rejection: 20 dB Min

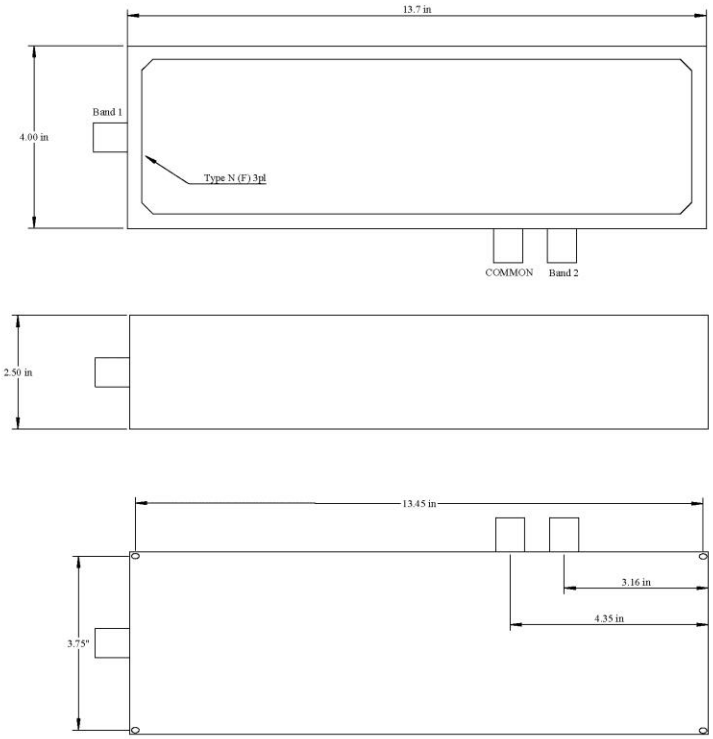
Environmental

Operating Temperature: -45 to +85º C
Storage Temperature: -55 to +95º C

Mechanical

Connector Type: N-Type (F)
Dimensions: 13.7 x 4.00 x 2.50 inches

Outline Drawing:



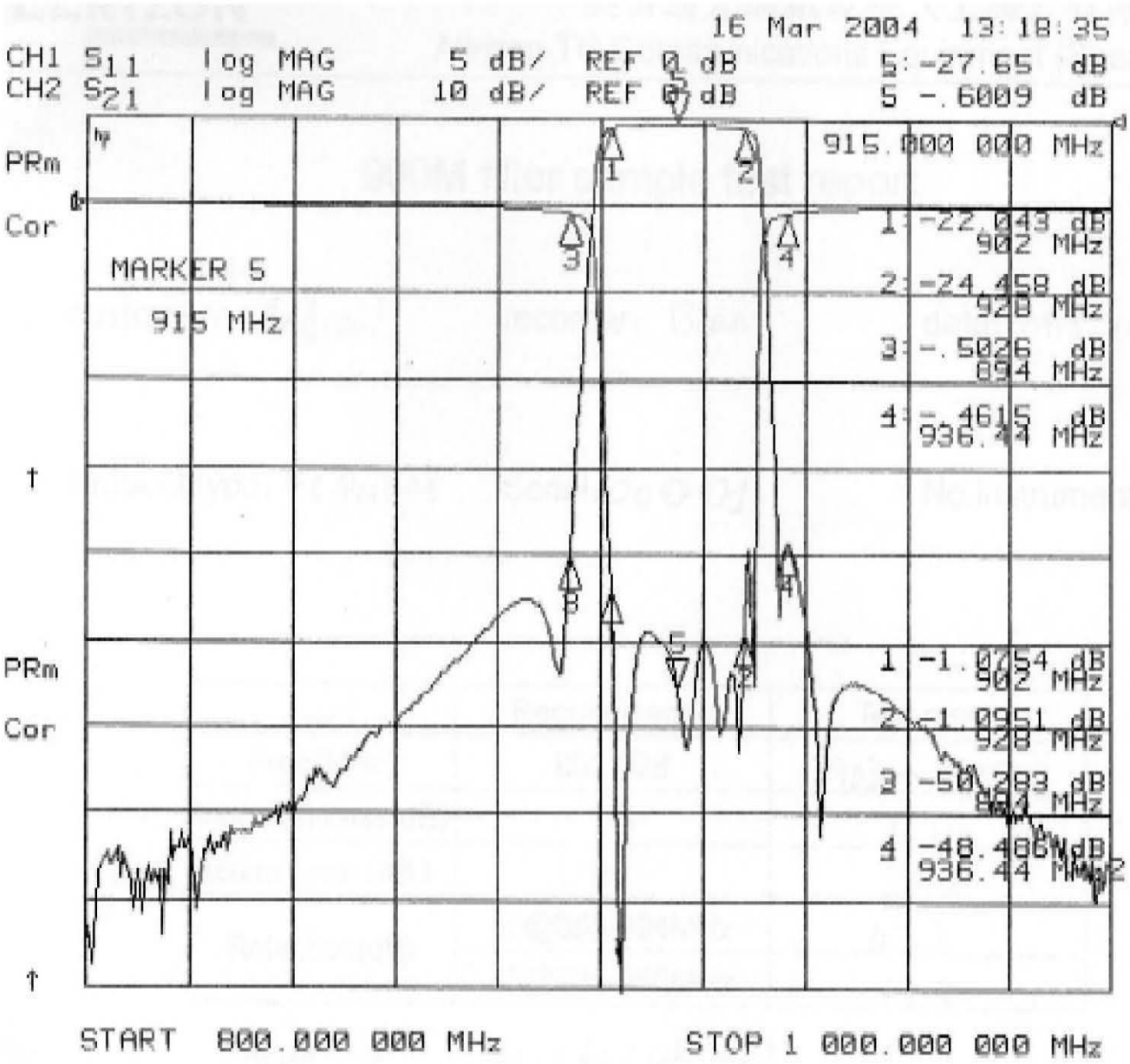
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Response Plot:

Band 1



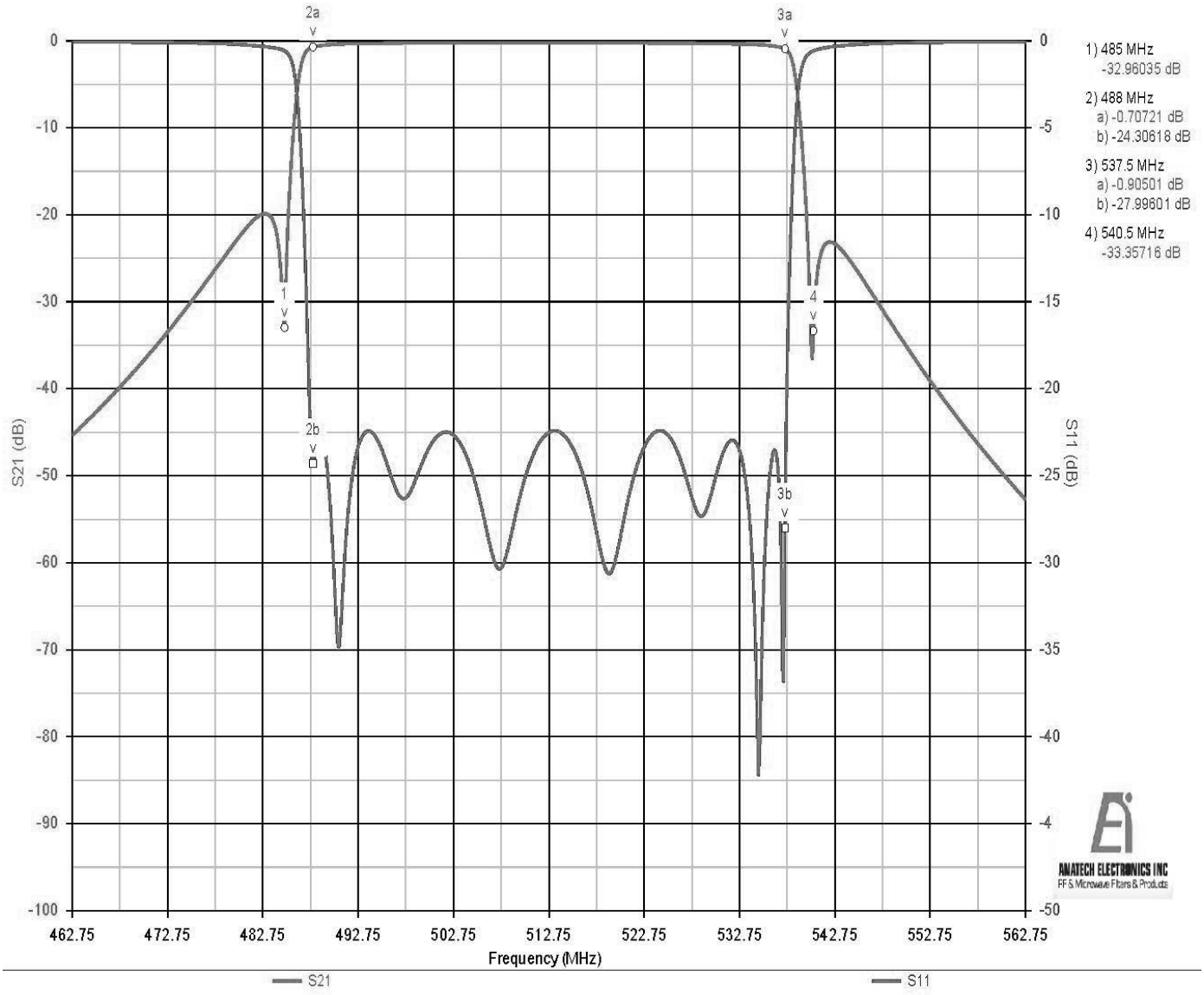
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Response Plot:

Band 2



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