



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

12.975 GHz Cavity Bandpass Filter

Part Number: AE12975B9783



Electrical specifications

Center Frequency: 12.975 GHz
3 dB Bandwidth: +/- 275 MHz Min
Passband Insertion Loss @ CF: 2.0 dB Max
Passband Ripple: <0.2 dB
Passband Return Loss: 12 dB Min
Rejection: 50 dB Min @ 0 - 12.40 GHz
Rejection 2: 50 dB Min @ 13.60 - 20 GHz
Impedance: 50 Ohms In/Out
Power Handling: 25 W CW

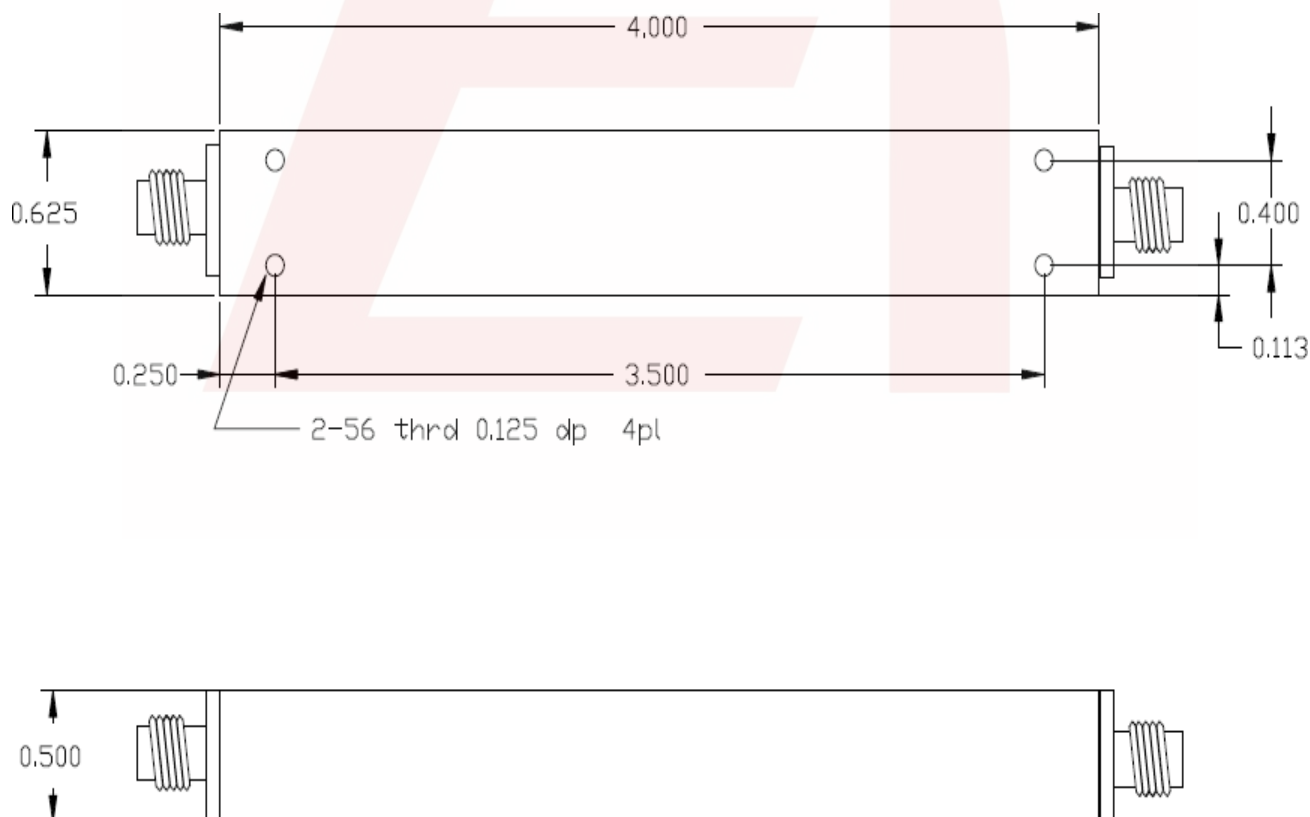
Mechanical

Mounting Method: Threaded Holes
Connector Type: SMA (F)
Dimensions: 4.0 x 0.625 x 0.50 in
(Not including Tuning Screws)

Environmental

Operating Temperature: -40°C to +85°C
Storage Temperature: -55°C to +95°C
Shock: 20 G. 11ms
Vibration: 20 G. 5 to 2000 Hz

Outline Drawing:



DS-B9783-04252025-Rev2



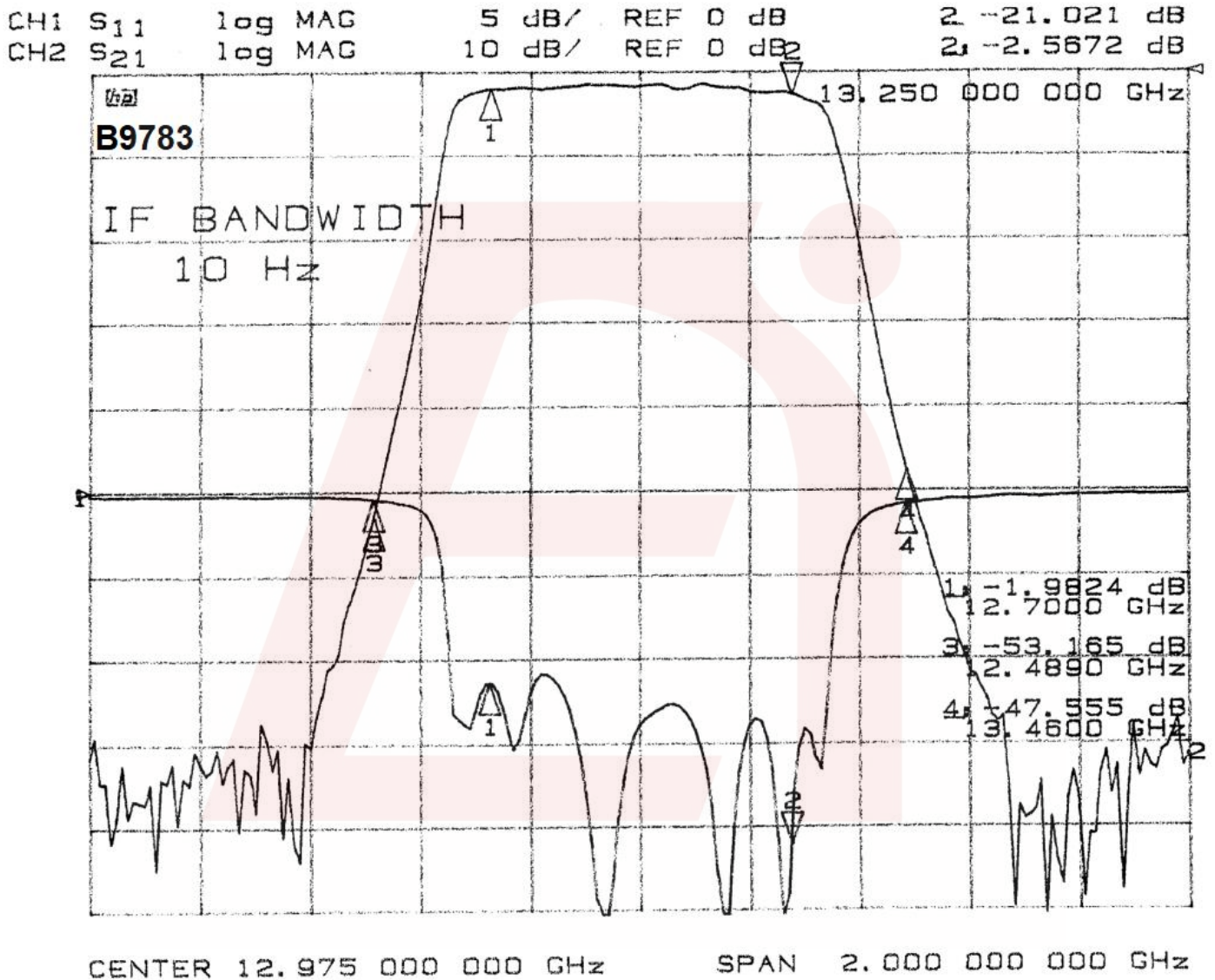
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Response Plot:



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