ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

1920-1980/2110-2170 MHz Cavity Duplexer

Part Number: AD1950-2140D390

ISO 9001 REGISTERED FIRM

Characteristics	Band 1 (Rx)	Band 2 (Tx)
Frequency:	1920-1980 MHz	2110-2170 MHz
Bandwidth:	60 MHz	60 MHz
Insertion loss:	1.0 dB max	0.7 dB max
Return loss:	18 dB min	18 dB min
Ripple:	1.0 dB max	0.7 dB max
Isolation:	75 dB min@2110-2170 MHz 50 dB min@1980-2110 MHz	50 dB min@1920-1980 MHz 50 dB min@1980-2110 MHz
Rejection:	65 dB min@0-1820 MHz 75 dB min@2110-2170 MHz 65 dB min@2270-2305 MHz 65 dB min@2305-2900 MHz 65 dB min@3400-3600 MHz 65 dB min@3860-3980 MHz 60 dB min@5160-5845 MHz 60 dB min@5845-11800 MHz 75 dB min@2110-2170 MHz 50 dB min@1980-2110 MHz	65 dB min@0-1820 MHz 75 dB min@1920-1980 MHz 60 dB min@2270-2305 MHz 60 dB min@2305-2900 MHz 60 dB min@3400-3600 MHz 60 dB min@3860-3980 MHz 60 dB min@5160-5845 MHz 60 dB min@5845-11800 MHz 50 dB min@1920-1980 MHz 50 dB min@1980-2110 MHz
Power handling:	16 watts averae,320 Watts peak	16 watts averae,320 Watts peak

Mechanical	
Mounting Method:	Threaded Mounting Holes
Connector Type:	N-Type (F)
Dimensions:	5.82” x 4.40” x 1.37” in

Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C

70 Outwater Lane **Phone: (973) 772-4242**
Garfield, NJ 07026 **Fax : (973) 772-4646**
Email: sales@anatechelectronics.com
Web: www.anatechelectronics.com

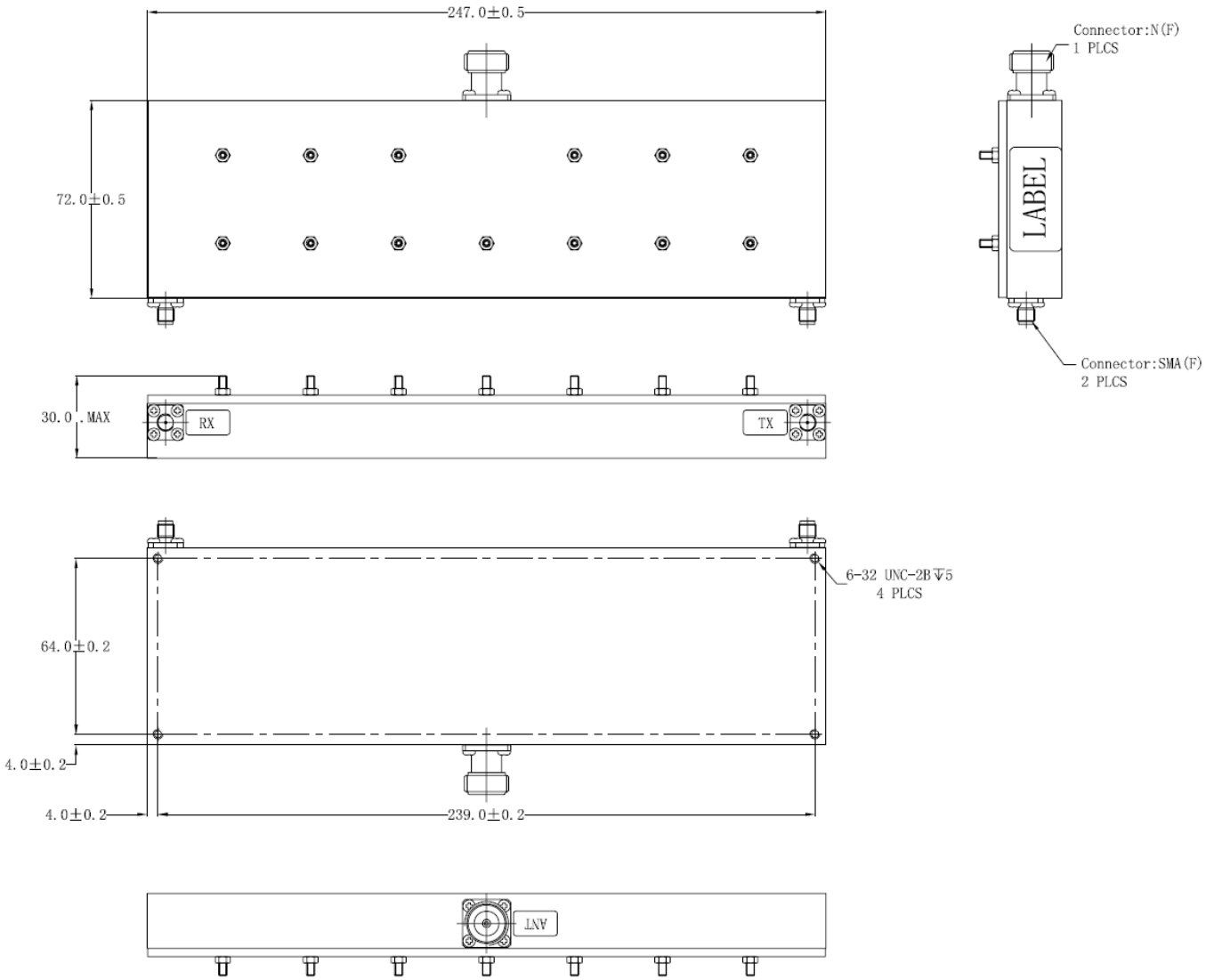
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Outline drawing:



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Plot:

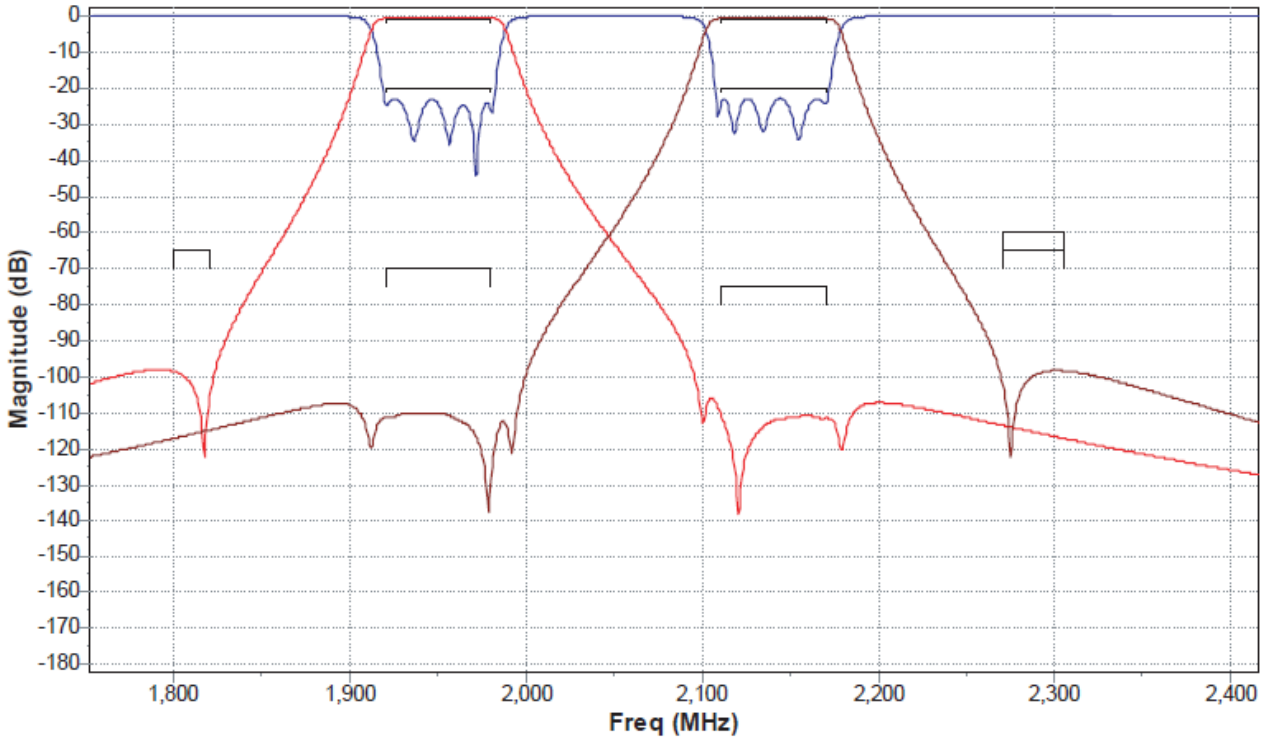
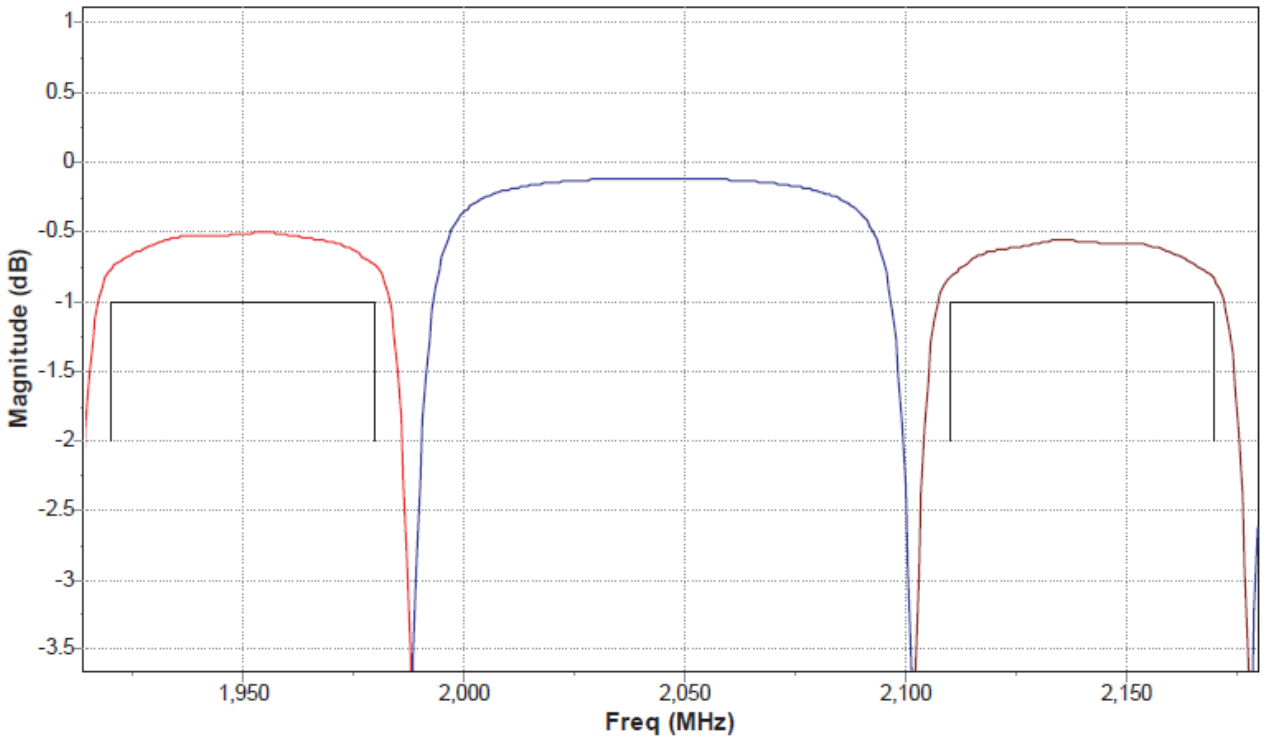


Fig.1 Return Loss and Rejection



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