



**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# 1920-1980/2110-2170 MHz Cavity Duplexer

**Part Number: AD1950-2140D390**



Characteristics	Band 1 (Rx)	Band 2 (Tx)
<b>Frequency:</b>	1920-1980 MHz	2110-2170 MHz
<b>Bandwidth:</b>	60 MHz	60 MHz
<b>Insertion loss:</b>	1.0 dB max	0.7 dB max
<b>Return loss:</b>	18 dB min	18 dB min
<b>Ripple:</b>	1.0 dB max	0.7 dB max
<b>Isolation:</b>	75 dB min@2110-2170 MHz 50 dB min@1980-2110 MHz	50 dB min@1920-1980 MHz 50 dB min@1980-2110 MHz
<b>Rejection:</b>	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
<b>Power handling:</b>	16 watts average, 320 Watts peak	16 watts average, 320 Watts peak

Mechanical	
<b>Mounting Method:</b>	Threaded Mounting Holes
<b>Connector Type:</b>	N-Type (F)
<b>Dimensions:</b>	5.82" x 4.40" x 1.37" in

Environmental	
<b>Operating Temperature:</b>	-40 to +70 deg.C
<b>Storage Temperature:</b>	-50 to +90 deg.C



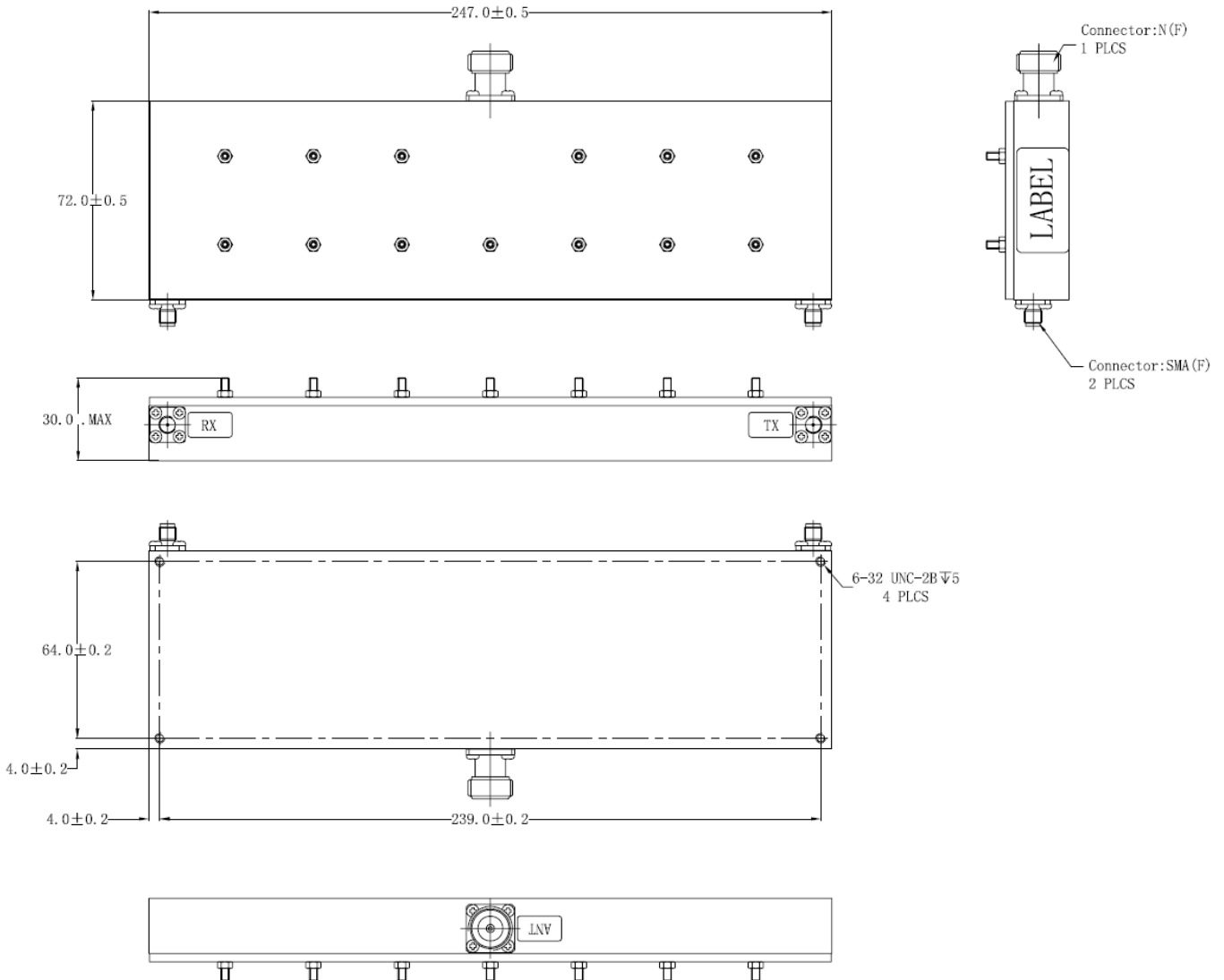
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## Outline drawing:





**Plot:**

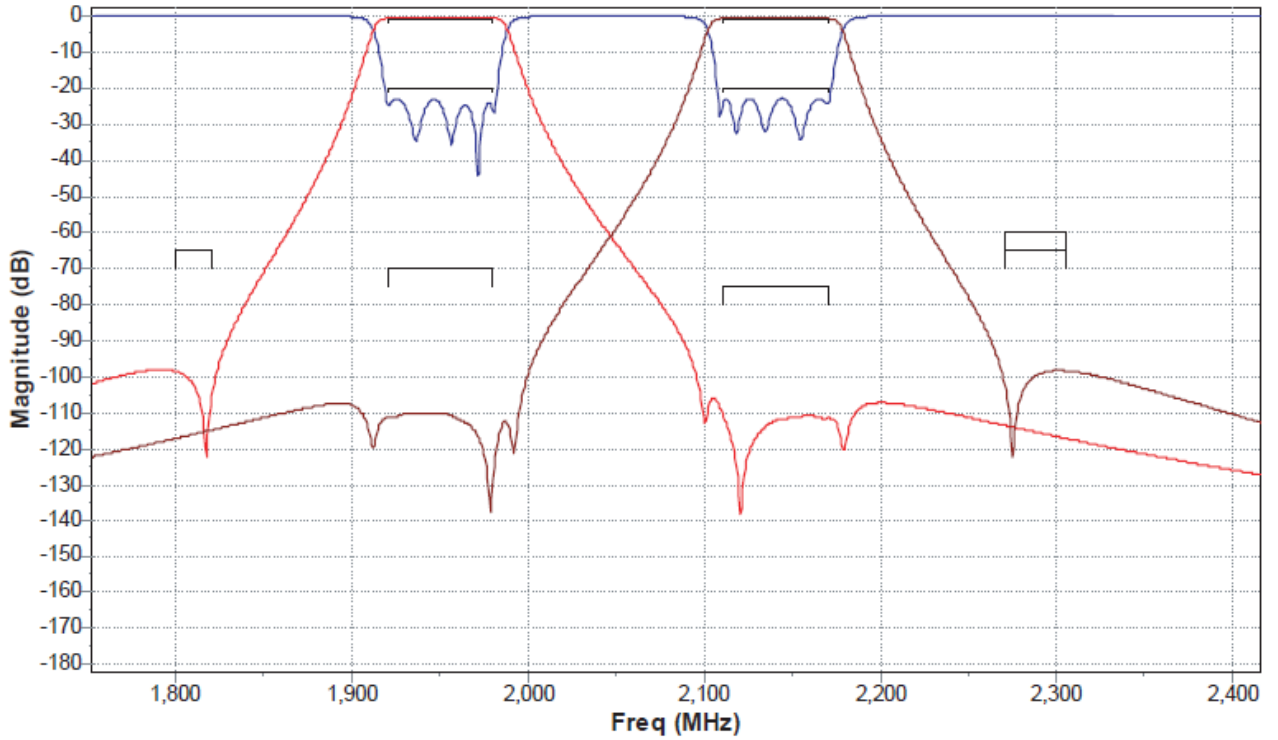


Fig.1 Return Loss and Rejection

