



High power S-Band Cavity Duplexer



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

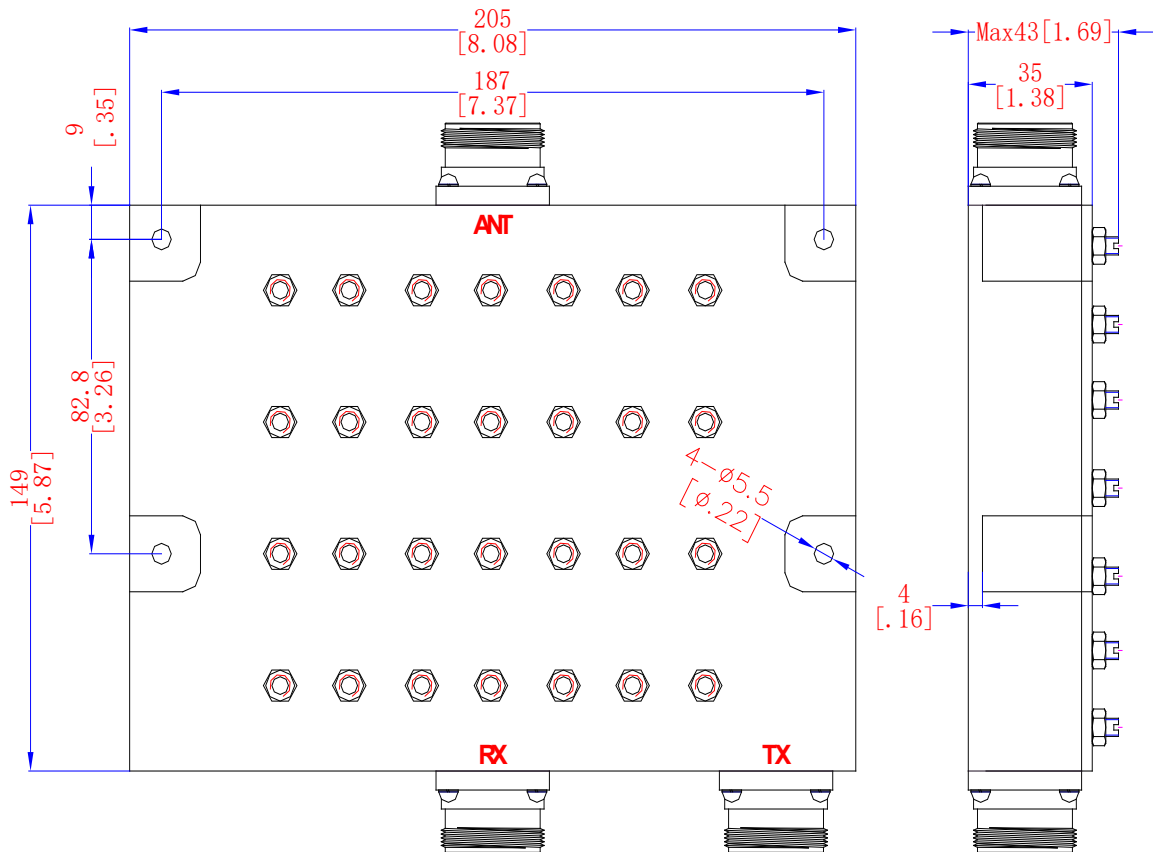
Part Number: AE2247-2072DB5478

Characteristics	Band 1 (RX)	Band 2(TX)
Passband:	2200-2295 MHz	2025-2120 MHz
Bandwidth:	95 MHz	95 MHz
Insertion Loss:	≤ 1.5 dB	≤ 0.6 dB
Return Loss:	≥ 19 dB	≥ 19 dB
Passband Ripple:	≤ 0.2 dB	≤ 0.2 dB
Isolation:	≥ 105 dB	≥ 105 dB
Rejection:	≥50dB@2120-2168MHz ≥50dB@2306-2400MHz ≥50dB@3000-5500MHz	≥80dB@3000-5500MHz
Input / Output Impedance:	50 Ohms	50 Ohms
Power Handling:	400W (CW)	400W (CW)

Mechanical	
Mounting Method:	Through Holes
Connector Type:	DIN-Female
Dimensions:	8.08 x 5.87 x 1.69 inches

Environmental	
Operating Temperature:	-55 to +95 deg.C
Storage Temperature:	-65 to +105 deg.C

Outline Drawing:

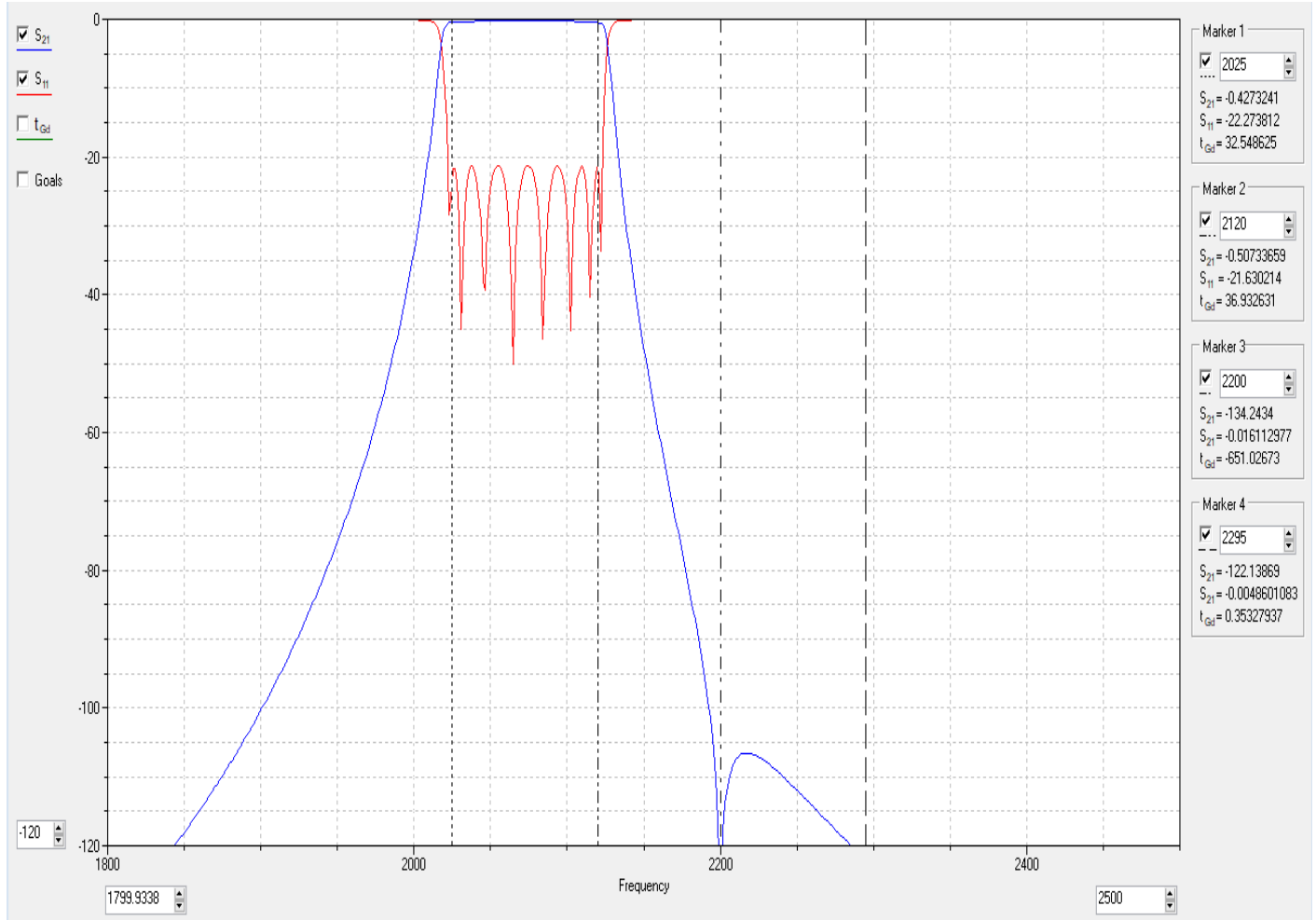


2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

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



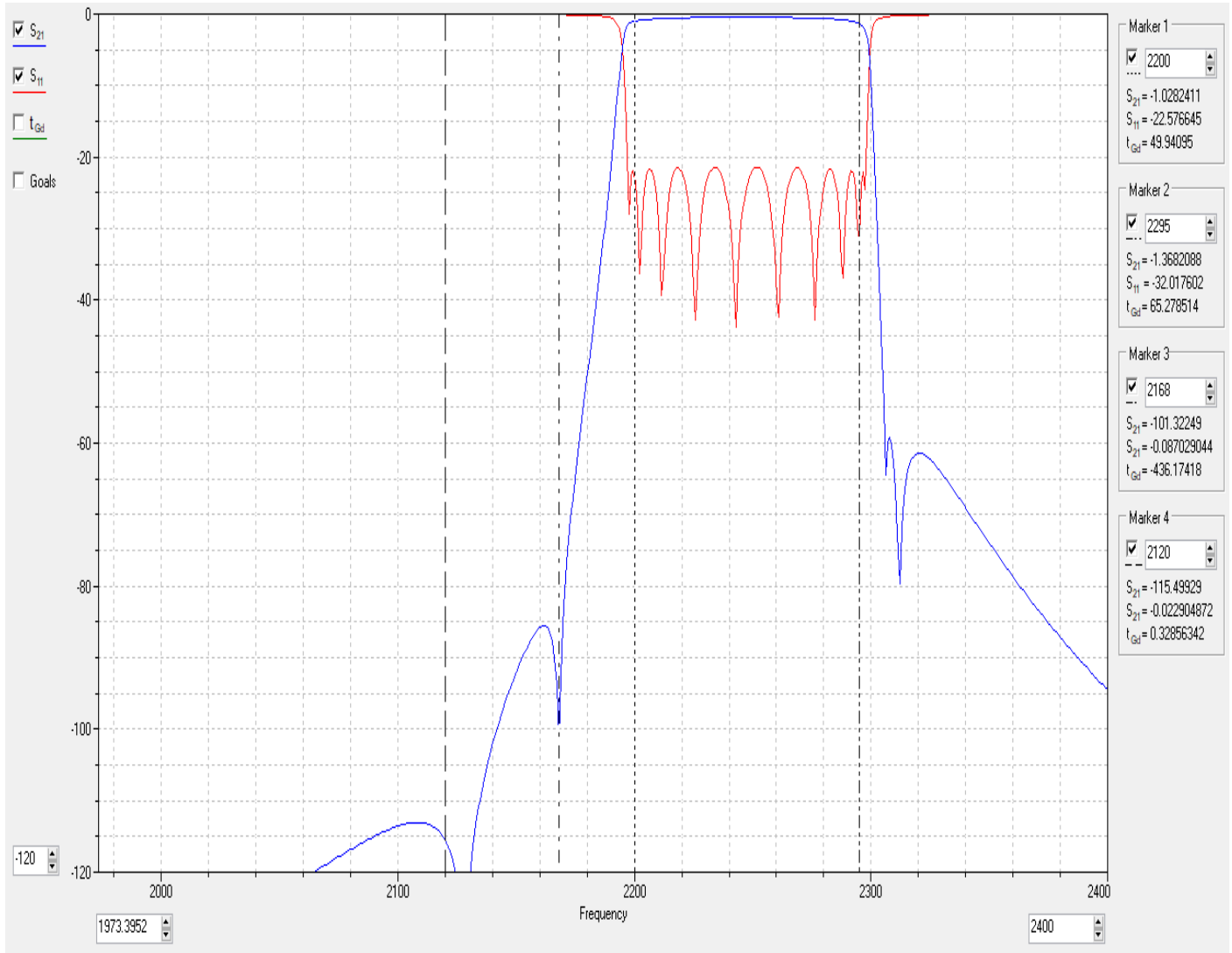
Response Plot-1:



Note: This is a simulation plot. Actual results may differ once the product is implemented.



Response Plot-2:



Note: This is a simulation plot. Actual results may differ once the product is implemented.