



**Specifications:**

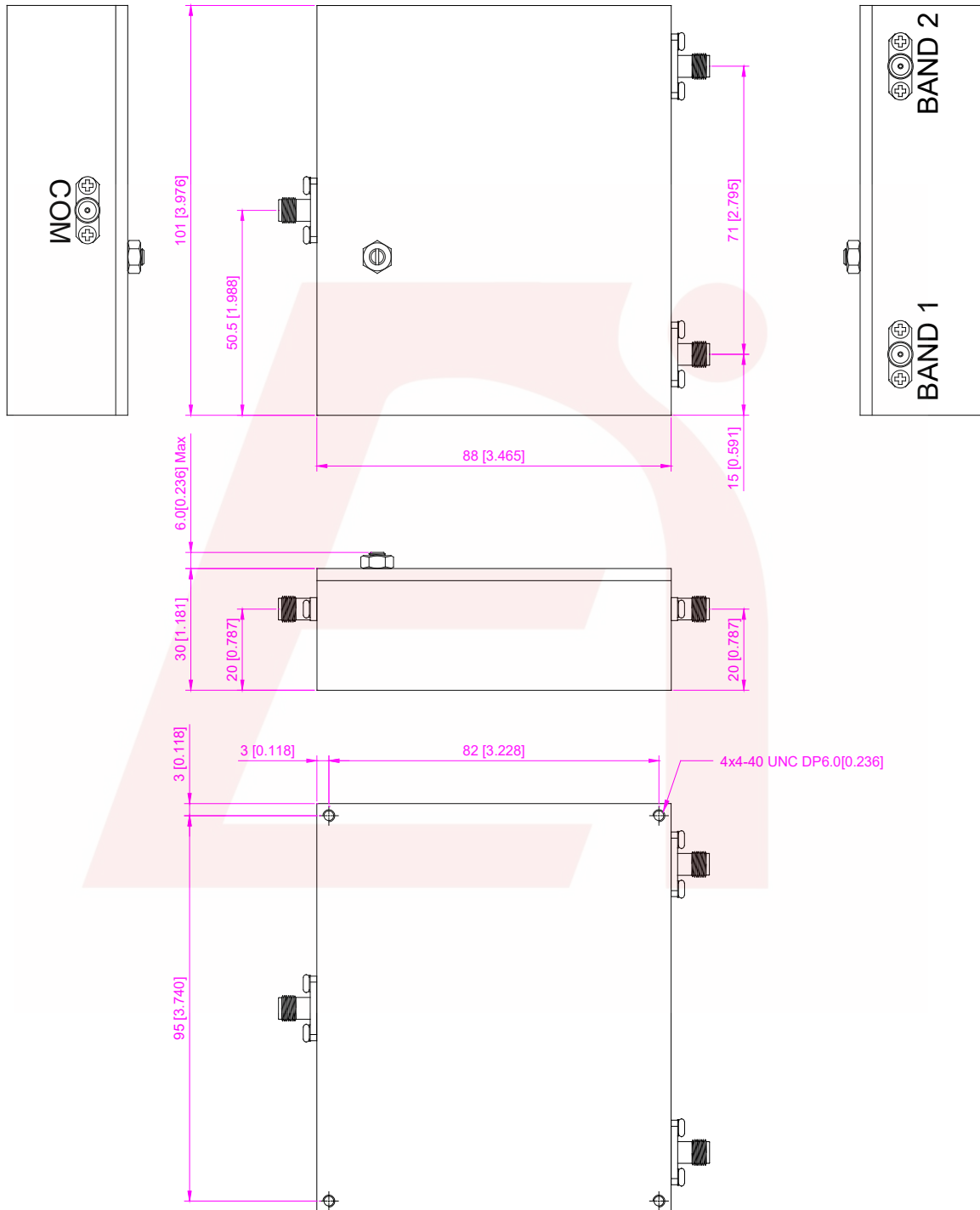
<b><u>Characteristics</u></b>	<b><u>Band 1</u></b>	<b><u>Band 2</u></b>
<b>Passband frequency:</b>	2200-2300 MHz	2025-2120 MHz
<b>Insertion loss:</b>	1.0 dB Max.	1.0 dB Max.
<b>Return Loss :</b>	10 dB Min	10 dB Min.
<b>Isolation:</b>	80 dB Min.	80 dB Min.
<b>Power Handling:</b>	35 W CW	35 W CW

<b><u>Mechanical</u></b>	
<b>Mounting Method:</b>	Threaded Holes
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	3.976 X 3.465 X 1.18 Inches

<b><u>Environmental</u></b>	
<b>Operating Temperature:</b>	-40 deg.C to +70 deg.C
<b>Storage Temperature:</b>	-50 deg.C to +90 deg.C
<b>Shock:</b>	20 G. 11ms
<b>Vibration:</b>	20 G. 5 to 200Hz



**Outline Drawing:**



Tolerance: +/-0.01 inches [ +/-0.3mm]

Angles: +/-1 Deg.

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\*Tolerance as shown unless otherwise specified in the datasheet electrical specification tables above.

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



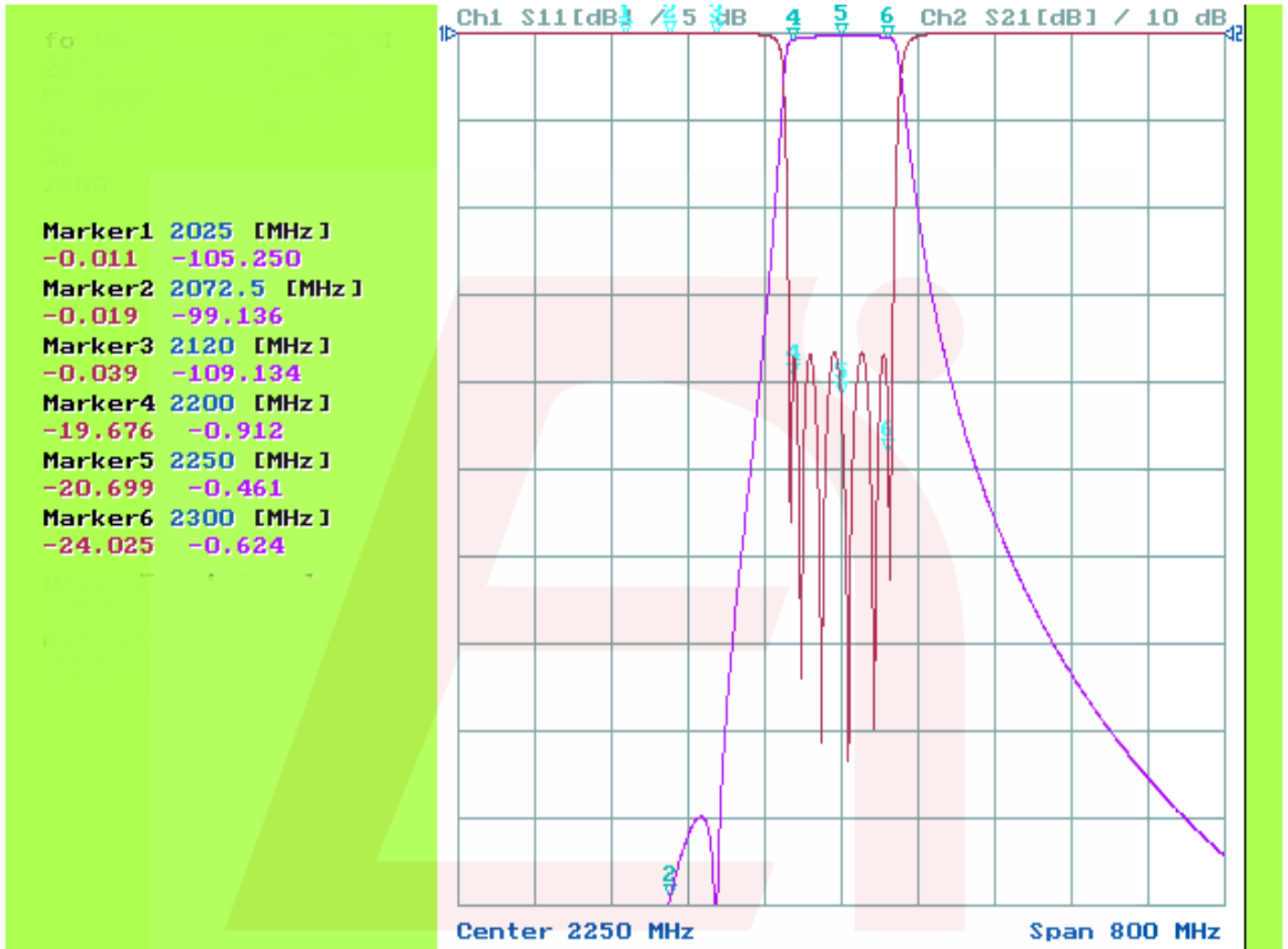
**ANATECH ELECTRONICS INC**  
RF & Microwave Filters & Products

# S-band Cavity Diplexer

## Part Number: AE2250-2072DB5481



### Simulation Plot-1 :



Note: This is a simulated response plot. Actual performance might differ.

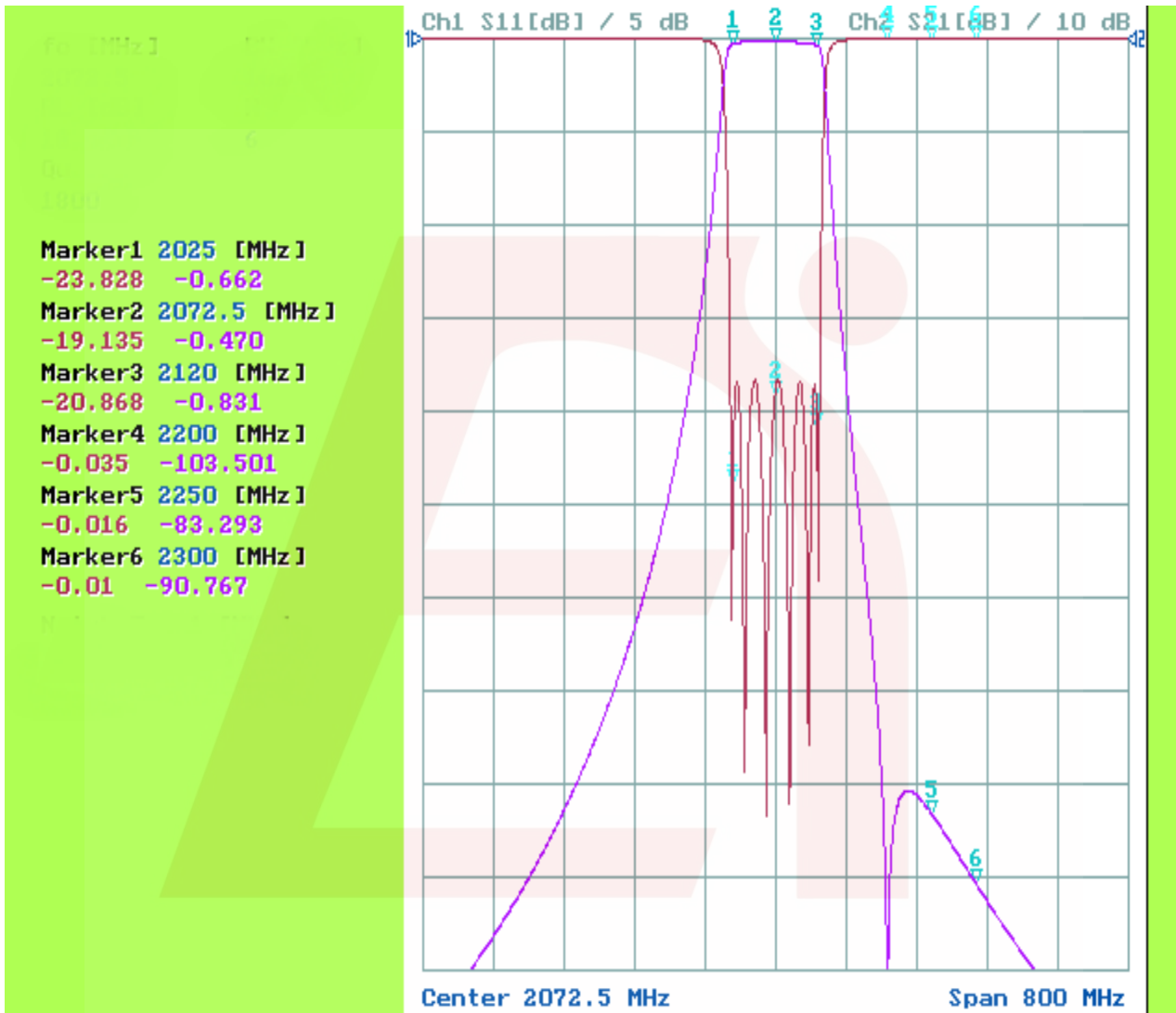
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**Simulation Plot-2 :**



Note: This is a simulated response plot. Actual performance might differ.

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