



# 1600-2000 MHz / 2150-2400 MHz Cavity Duplexer



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

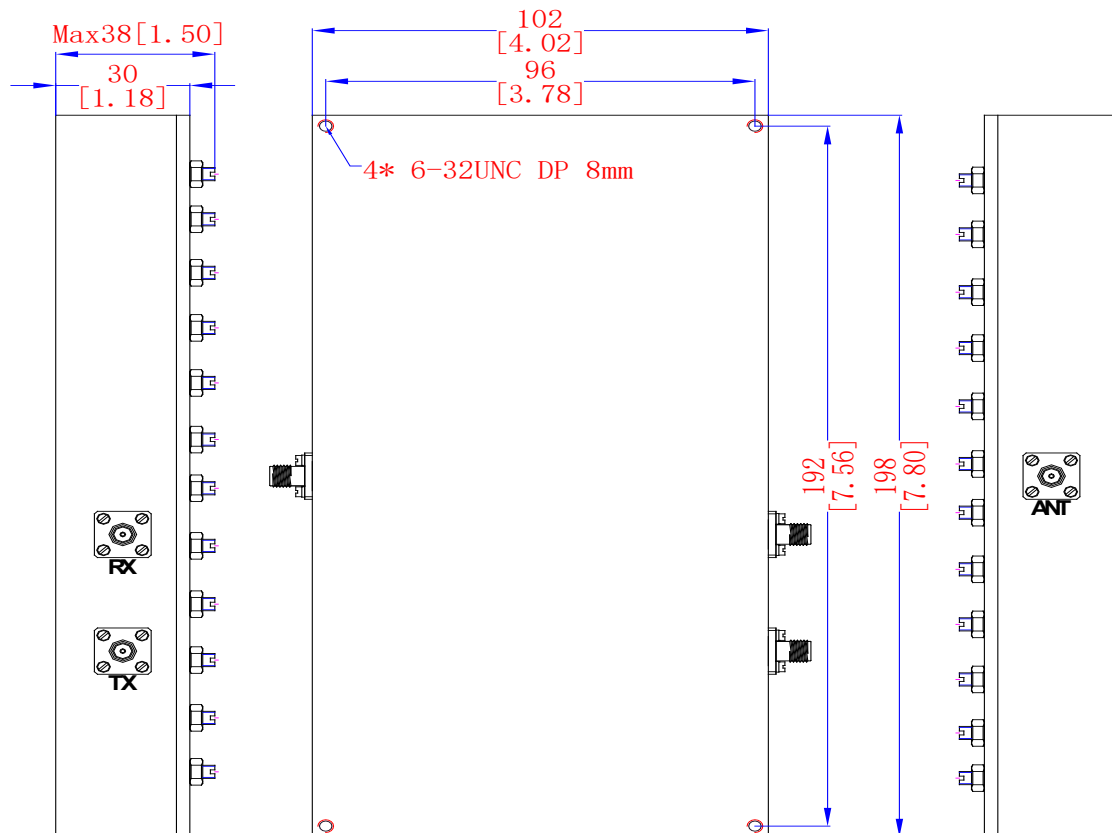
**Part Number: AE1800-2275DB5491**

<u>Characteristics</u>	<u>Band 1(RX)</u>	<u>Band 2(TX)</u>
<b>Passband:</b>	1600-2000 MHz	2150-2400 MHz
<b>Bandwidth:</b>	400 MHz	250 MHz
<b>Return Loss:</b>	18 dB Min.	18 dB Min.
<b>Insertion Loss:</b>	0.5 dB Max.	0.5 dB Max.
<b>Isolation:</b>	80 dB Min.	80 dB Min.
<b>Power Handling:</b>	50 Watts	50 Watts
<b>Input / Output Impedance:</b>	50 Ohms	50 Ohms

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Holes
<b>Connector Type:</b>	SMA(F)
<b>Dimensions:</b>	198 X 102 X 38 mm
<b>Dimensions:</b>	7.8 X 4.02 X 1.5 in.

<u>Environmental</u>	
<b>Operating Temperature:</b>	-40 to +85 deg.C
<b>Storage Temperature:</b>	-55 to +95 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.

\*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.



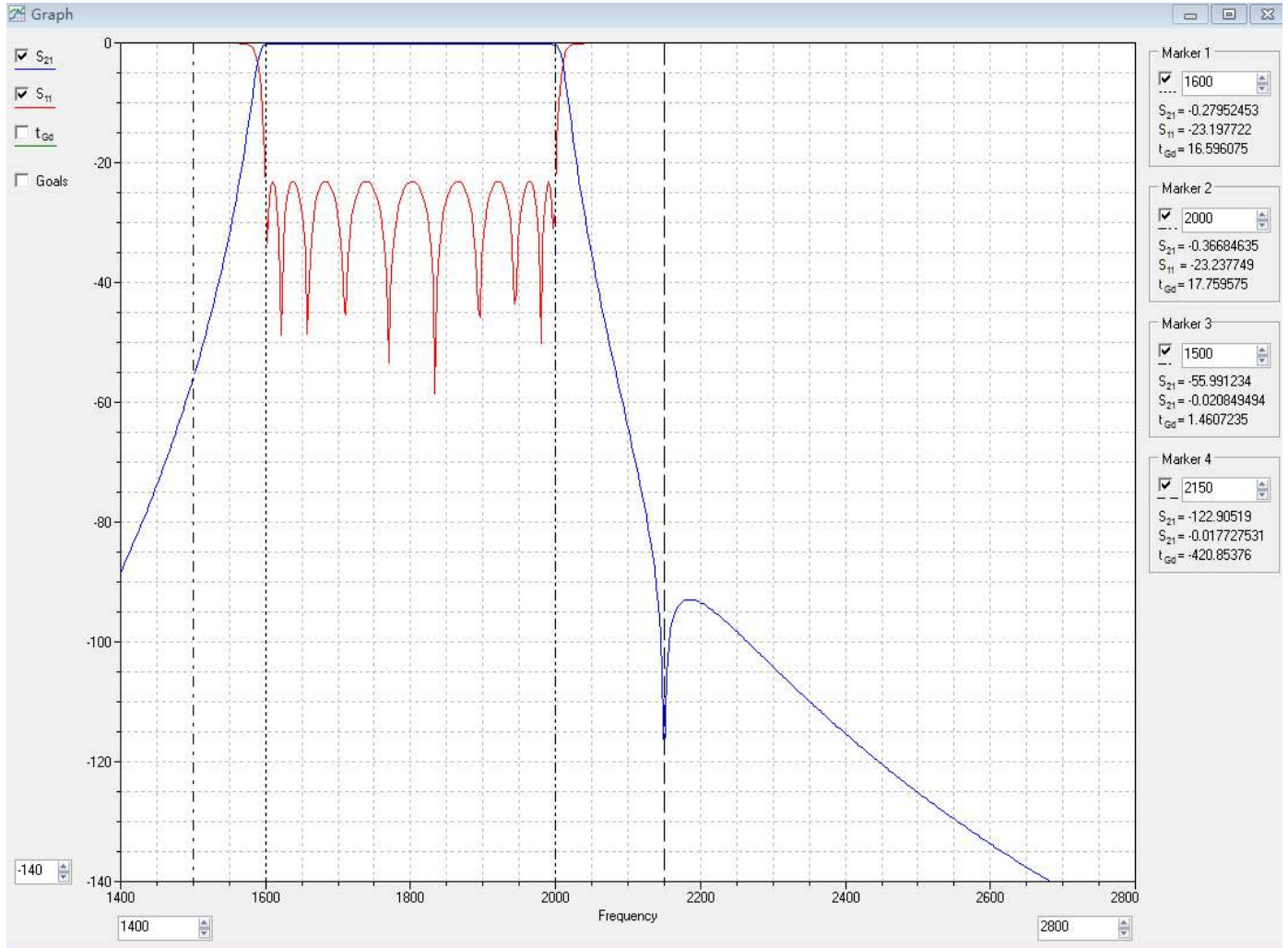
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## Response Plot-1:





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## Response Plot-2:

