



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

# LTE Band 2/4/5/12/30 Cavity Diplexer

**Part Number: AE1457-2925DP5480**

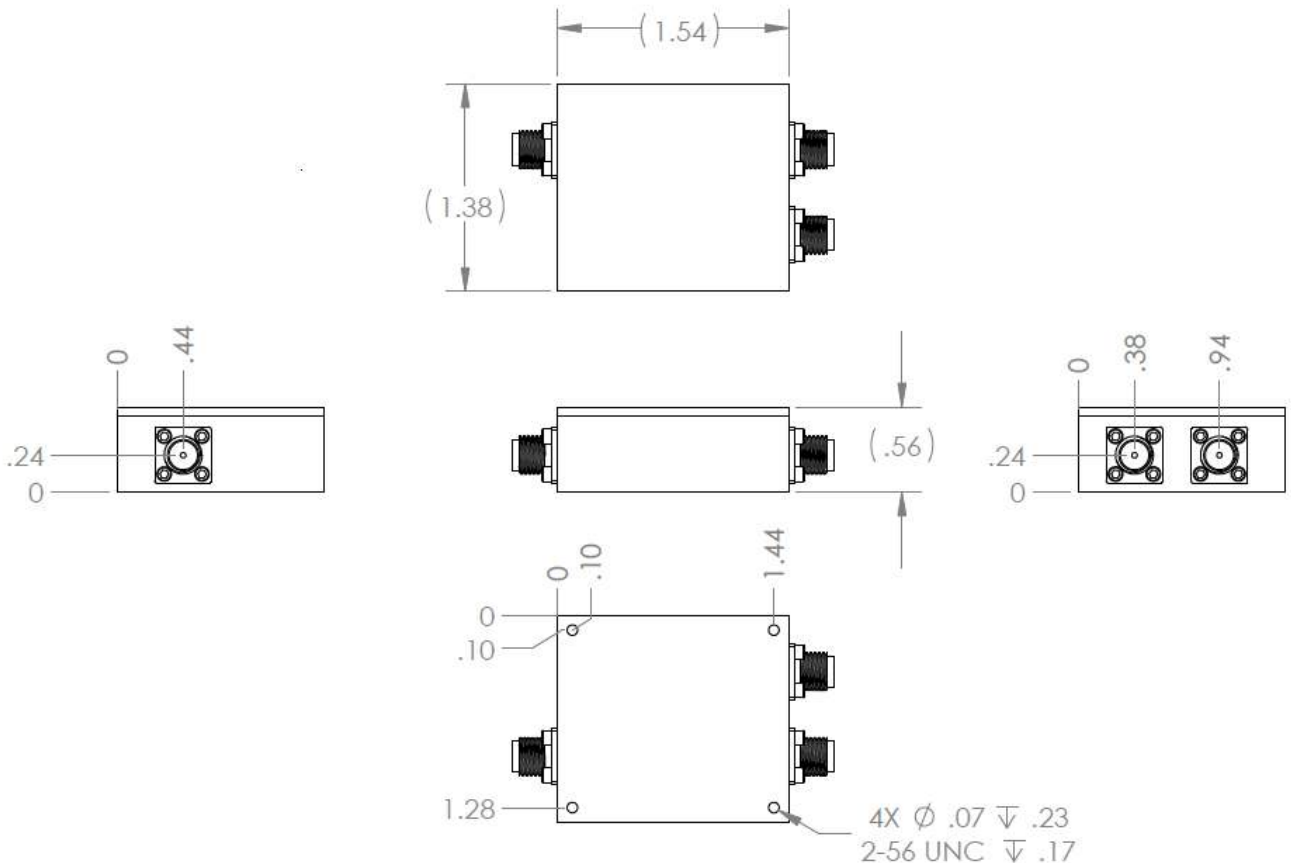


<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
<b>Passband frequency:</b>	600-2315 MHz	2350-3500 MHz
<b>Passband Insertion loss:</b>	1.0 dB Max.	1.0 dB Max.
<b>Insertion Loss:</b>	2.5 dB Max. @ 2315 MHz	2.5dB Max. @ 2350 MHz
<b>Passband Return Loss :</b>	15 dB Min	15 dB Min.
<b>Return Loss:</b>	13 dB Min @ 2315 MHz	13 dB Min @ 2350 MHz
<b>Isolation: (Goal 50dB)</b>	30 dB Min.	30 dB Min.

<u>Mechanical</u>	
<b>Mounting Method:</b>	Threaded Holes
<b>Connector Type:</b>	SMA (F)
<b>Dimensions:</b>	1.54" x 1.38" x 0.56"

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

## Outline Drawing:



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

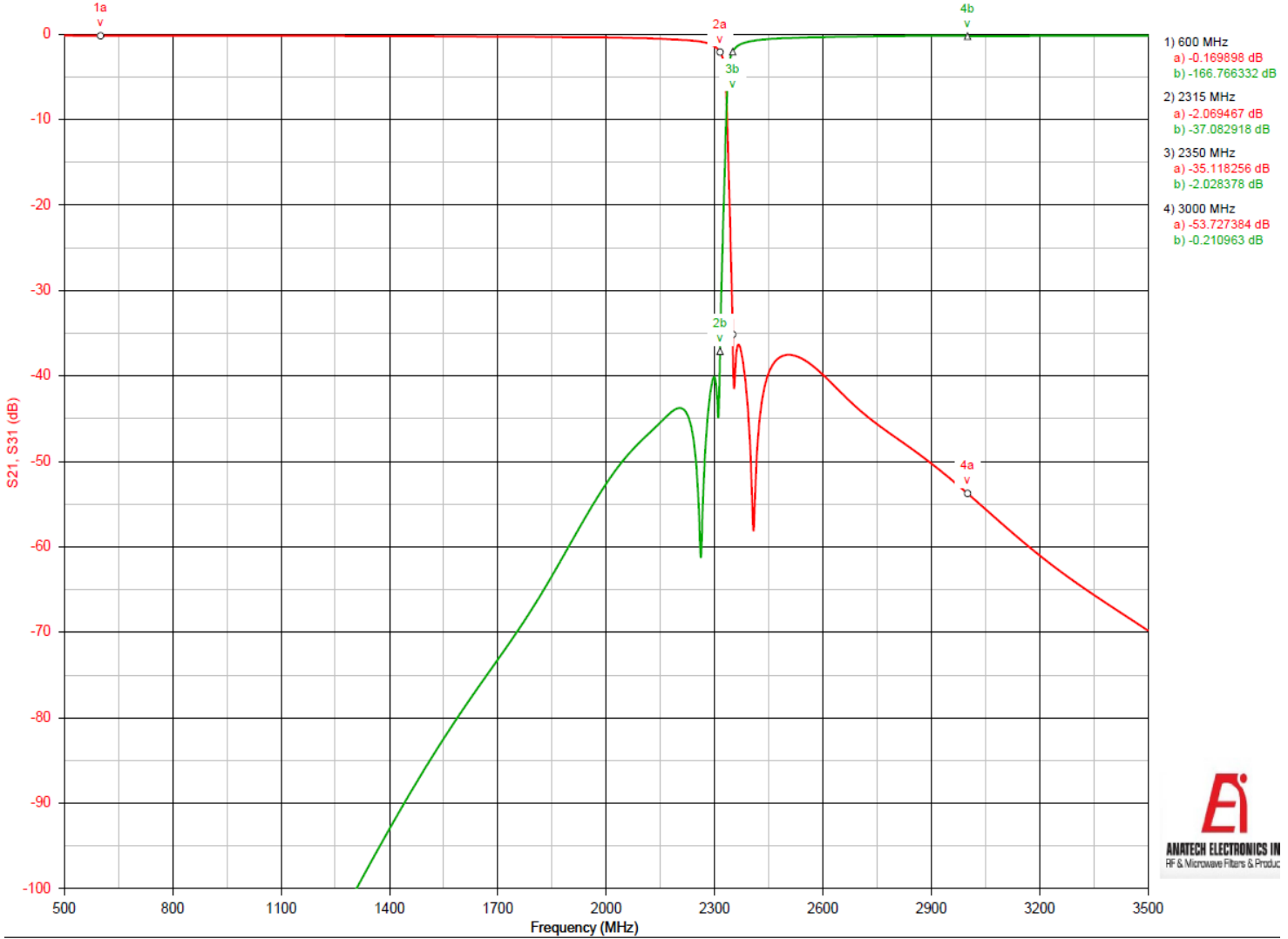
Angles: +/-1 Deg.

\*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 callout.



**Simulation Plot :**



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