



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

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

Part Number: AE1457-2925DP5480

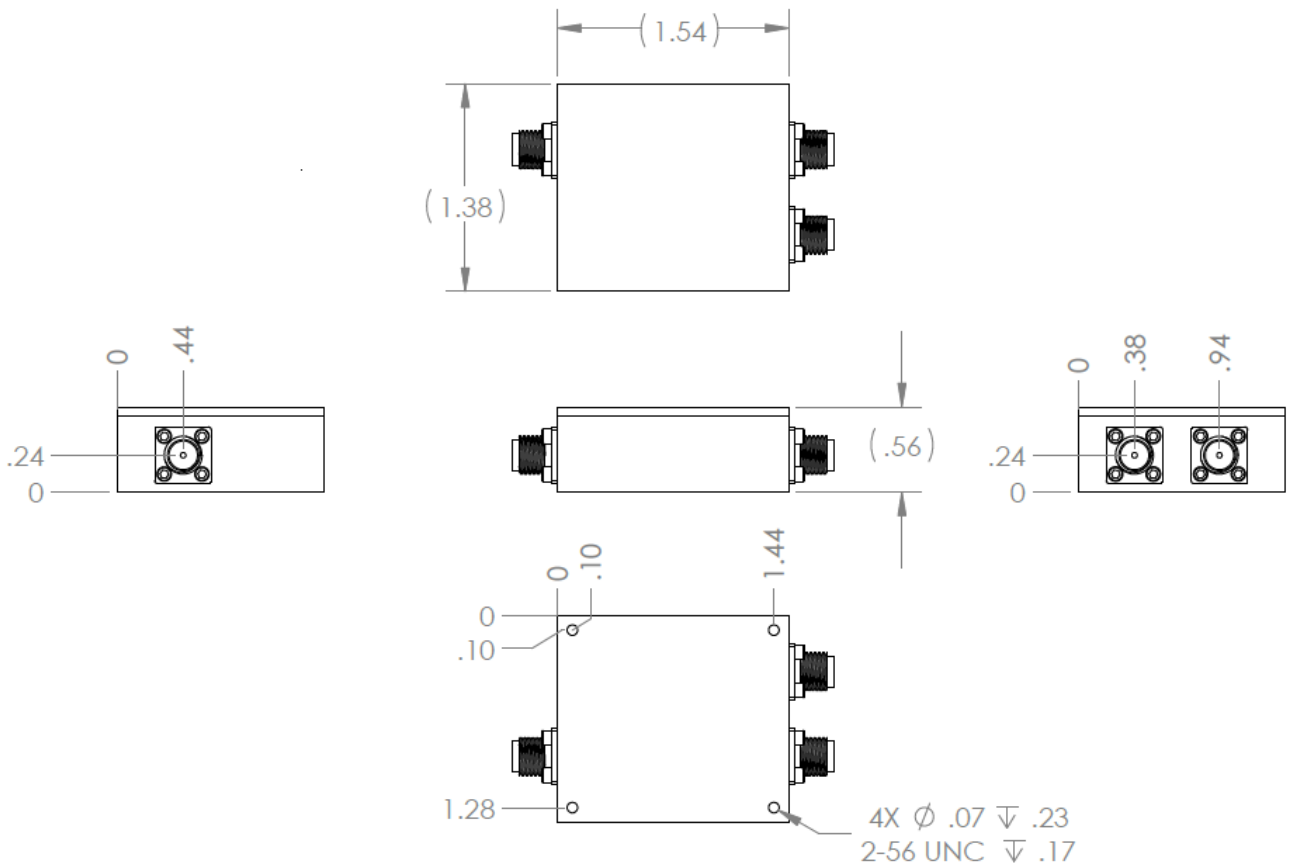


<u>Characteristics</u>	<u>Band 1</u>	<u>Band 2</u>
Passband frequency:	600-2315 MHz	2350-3500 MHz
Passband Insertion loss:	1.0 dB Max.	1.0 dB Max.
Insertion Loss:	2.5 dB Max. @ 2315 MHz	2.5dB Max. @ 2350 MHz
Passband Return Loss :	15 dB Min	15 dB Min.
Return Loss:	13 dB Min @ 2315 MHz	13 dB Min @ 2350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

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

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

Outline Drawing:



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

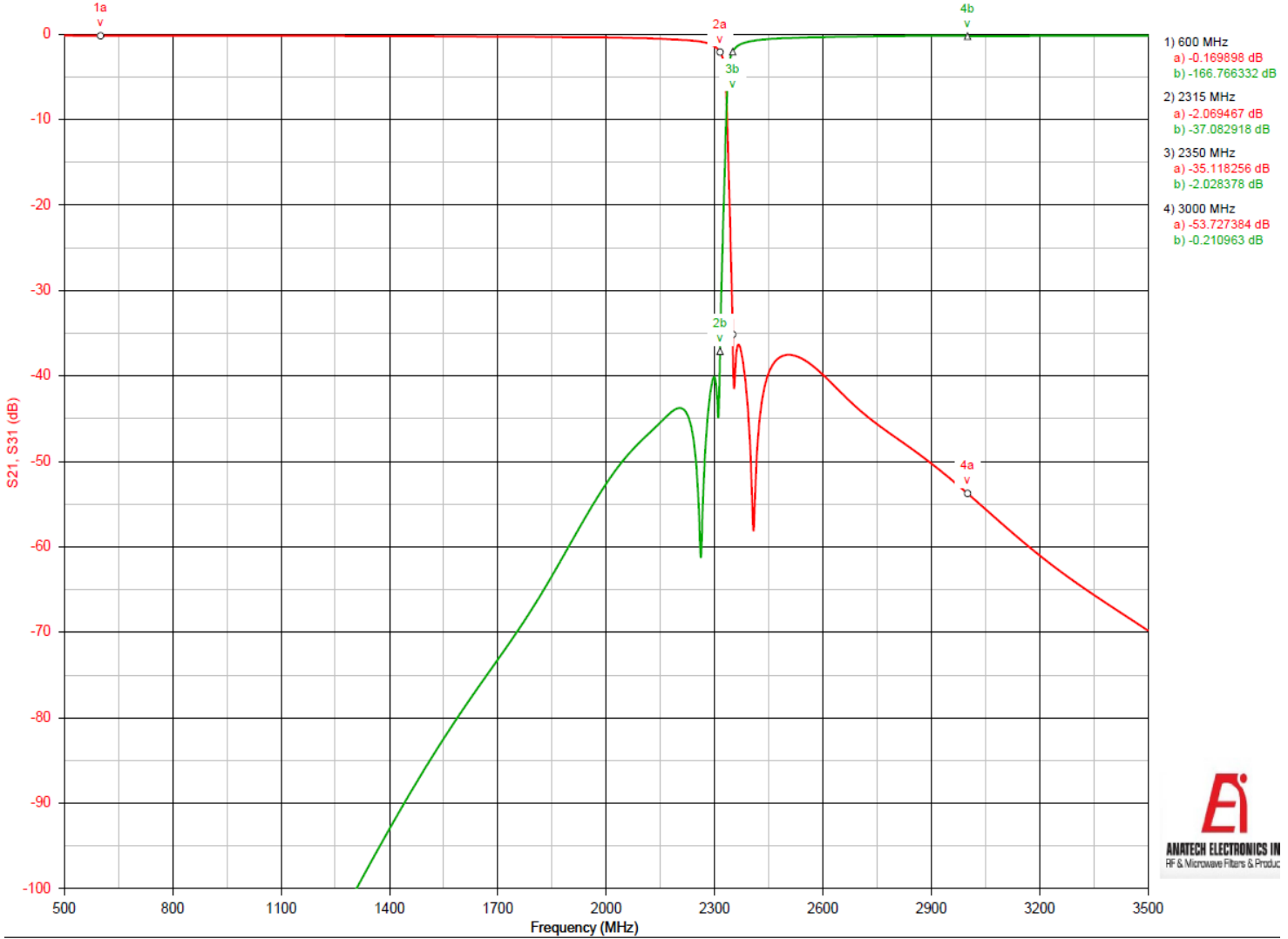
Angles: +/-1 Deg.

*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.