



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

# S-band Cavity Diplexer

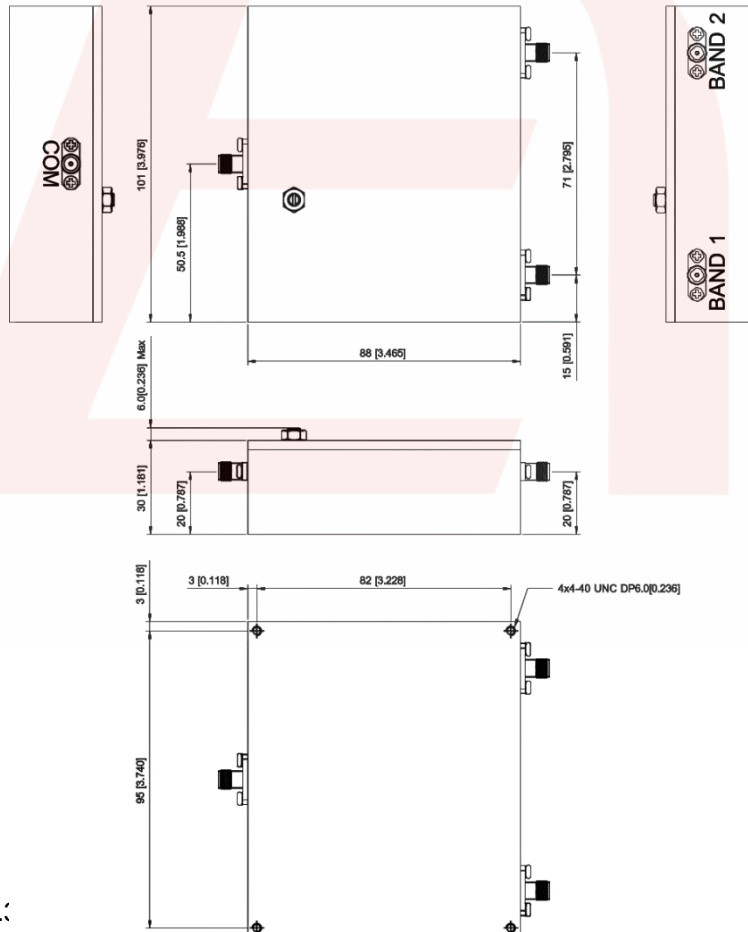
## Part Number: AE2250-2072DB5481



Characteristics	Band 1	Band 2
Frequency:	2200 – 2300 MHz	2025 – 2120 MHz
Insertion loss:	1.0 dB Max	1.0 dB Max
Return loss:	10 dB Min	10 dB Min
Isolation:	80 dB Min	80 dB Min
Impedance:	50 Ohms	50 Ohms
Power Handling:	35 W CW	35 W CW

Mechanical	
Mounting Method:	Threaded Holes
Connector Type:	SMA (F)
Dimensions:	3.976 x 3.465 x 1.18 in.
Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-50 to +90 deg.C
Shock:	20 G. 11ms
Vibration:	20 G. 5 to 200 Hz

### Outline drawing:



Tolerance: +/-0.01 inches [ +/-0.1

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.

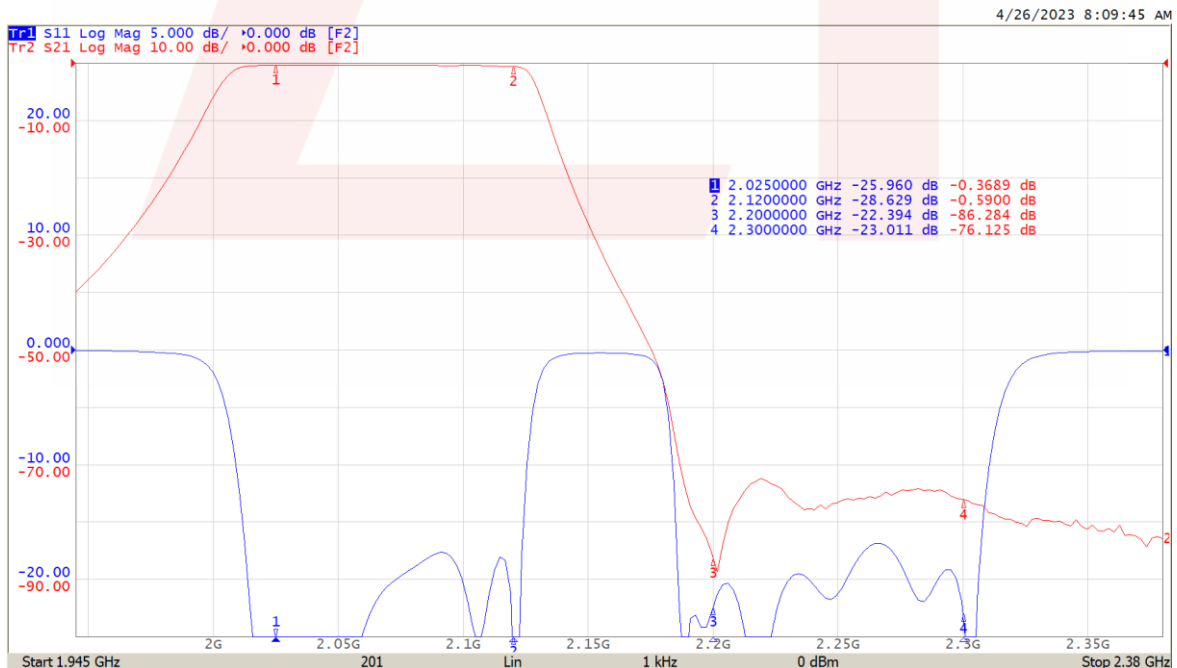
DS-DB5481-09132019-Rev1



## Response Plot



### Band 1



### Band 2

DS-DB5481-09132019-Rev1