



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

**442-450 MHz / 462-470 MHz  
Cavity Duplexer  
Part Number: AD446-466D386**

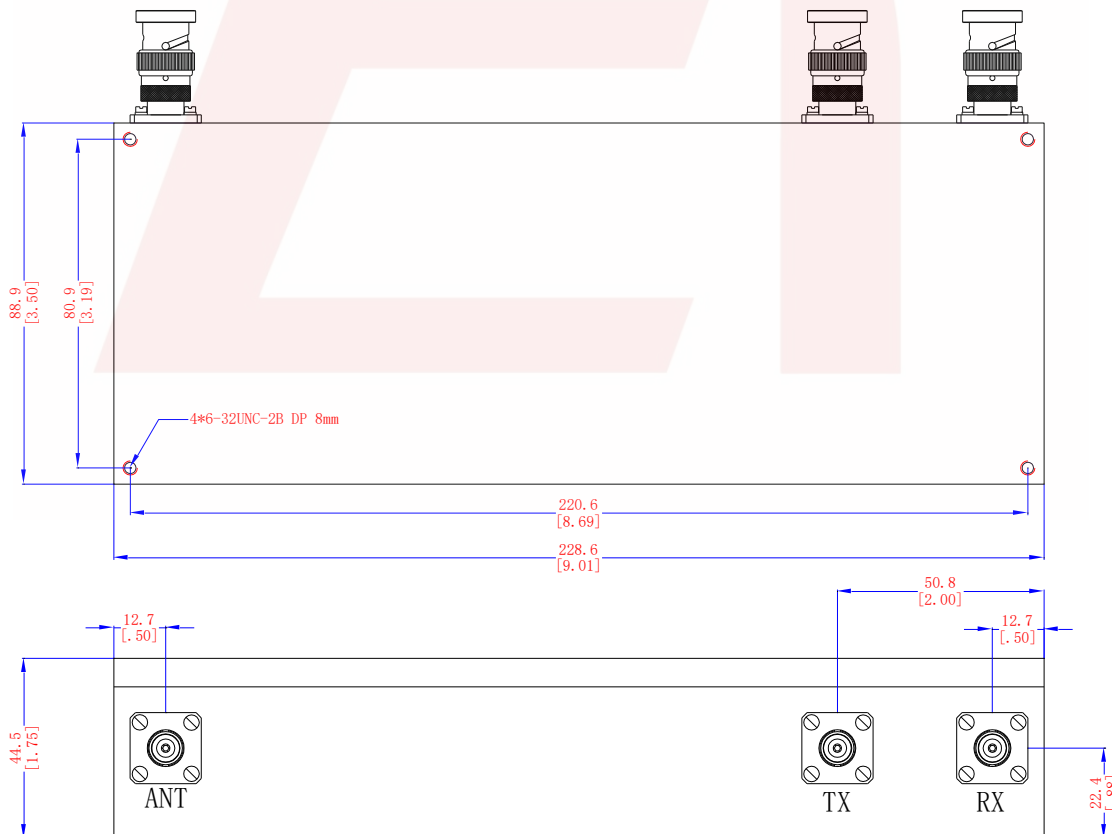


Characteristics	Band 1	Band 2
Passband:	442 – 450 MHz	462 – 470 MHz
Bandwidth:	8 MHz	8 MHz
Passband Insertion Loss:	1.0 dB Max	1.0 dB Max
Passband Return Loss:	15 dB Min	15 dB Min
Isolation:	45 dB Min @ 440 – 470 MHz, 40 dB Min @ 462 – 470 MHz	
Input / Output Impedance:	50 Ohms	
Power Handling:	50 W Average Max	

Mechanical	
Mounting Method:	Threaded Mounting Holes
Connector Type:	BNC (F)
Dimensions:	9.01 x 3.5 x 1.75 in. 228.6 x 88.9 x 44.5 mm

Environmental	
Operating Temperature:	-40 to +70 deg.C
Storage Temperature:	-55 to +85 deg.C
Shock:	20 G. 11ms
Vibration:	20 G. 5 to 200 Hz

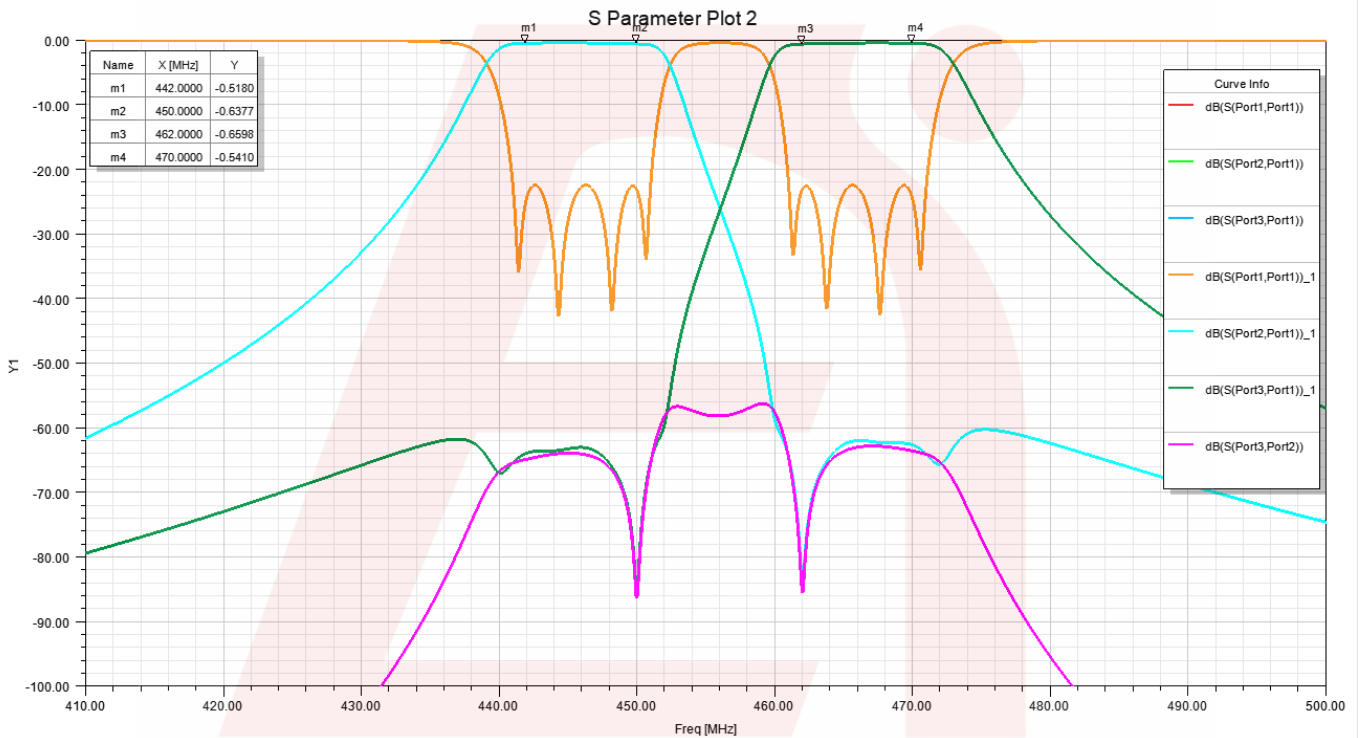
**Outline Drawing:**



DS-D386-08202015-Rev0



### Simulation Plot:



Note: This is a simulation Plot. Actual response plot might differ.