



ANATECH ELECTRONICS INC
RF & Microwave Filters & Products

217.5 MHz / 221 MHz Cavity Duplexer

Part Number: AE217-221DB5400



Electrical Specifications

ITEM	SPECIFICATION	
	LOW Band	HIGH Band
Passband Frequency	217 ~ 218 MHz	220 ~ 222 MHz
Insertion Loss	2.0dB Max	
VSWR	1.5:1 Max	
Rejection	80.0dB Min @ 220MHz ~ 222MHz	80.0dB Min @ 217MHz ~ 218MHz
Power	50W CW Max	
In/Out Impedance	50. Ohms Nominal	

Mechanical

RF Connector: N-Type (F)

Mounting Points: Refer to Outline drawing

Dimensions: 455 x 149 x 194 mm

Finish: Black color epoxy coating

Environmental

Operating Temperature: -40 to +70° C

Storage Temperature: -55 to +85° C

Relative Humidity: 0 ~ 95% Operating/Storage

Vibration: 0.3p-p(5~10Hz), 1.5g p(10~200Hz)

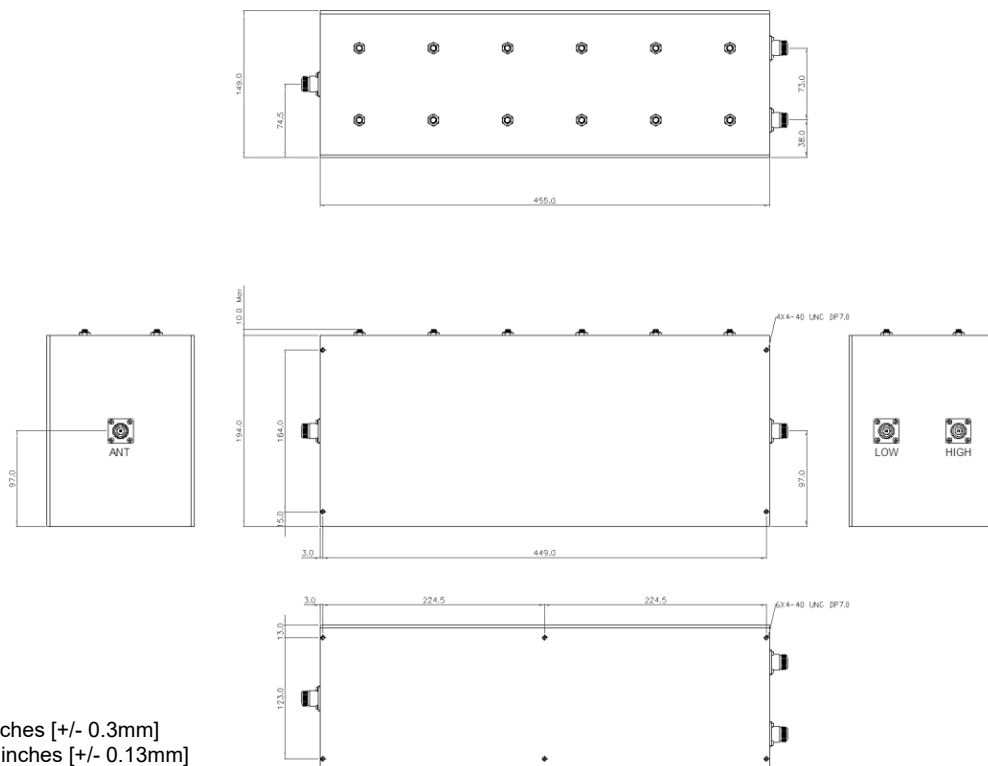
Mechanical Shock (11ms): 10g p(Shipping)
10g p(Operating)

EMI(uV/m): 150 (50 kHz ~ 88 MHz)
250 (88~216 MHz)
350 (216~1000 MHz)

Dielectric Strength (Volts RMS): 3000 for
Electromechanical, 2000 for Electronic

Abrasive Environment: Salt, Rain, Sand, Hail,
Dust, Contaminants

Outline Drawing:



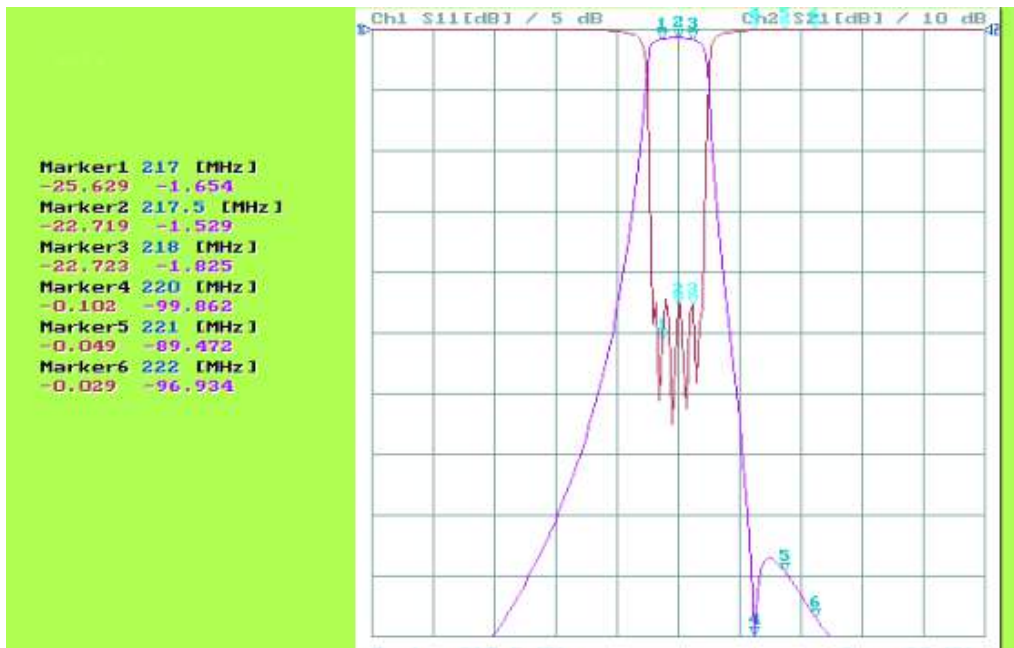
2 decimal places: +/-0.01 inches [+/- 0.3mm]
3 decimal places: +/- 0.005 inches [+/- 0.13mm]
Angles: +/- 1 Deg.

When max dimensions are called out the above tolerances do not apply as long as it is under the max call out.



Response Plot:

Low



High

