



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

**Preliminary Datasheet**  
**DC-200 / 2000-20000 MHz**  
**LC Duplexer / Diplexer for Outdoor**  
**Part Number: AE200-2000LDP5456-O**



| Characteristics          | Low Band                        | High Band                   |
|--------------------------|---------------------------------|-----------------------------|
| Frequency:               | DC – 200 MHz                    | 2000 – 20000 MHz            |
| Passband Insertion loss: | 1.0 dB Max                      | 1.0 dB Max                  |
| Passband Return Loss:    | 10 dB Min                       | 10 dB Min                   |
| Rejection:               | 40 dB Min @<br>2000 – 20000 MHz | 40 dB Min @<br>DC – 200 MHz |
| Impedance:               | 50 Ohms In/Out                  |                             |
| Power Handling:          | 5 W CW                          |                             |

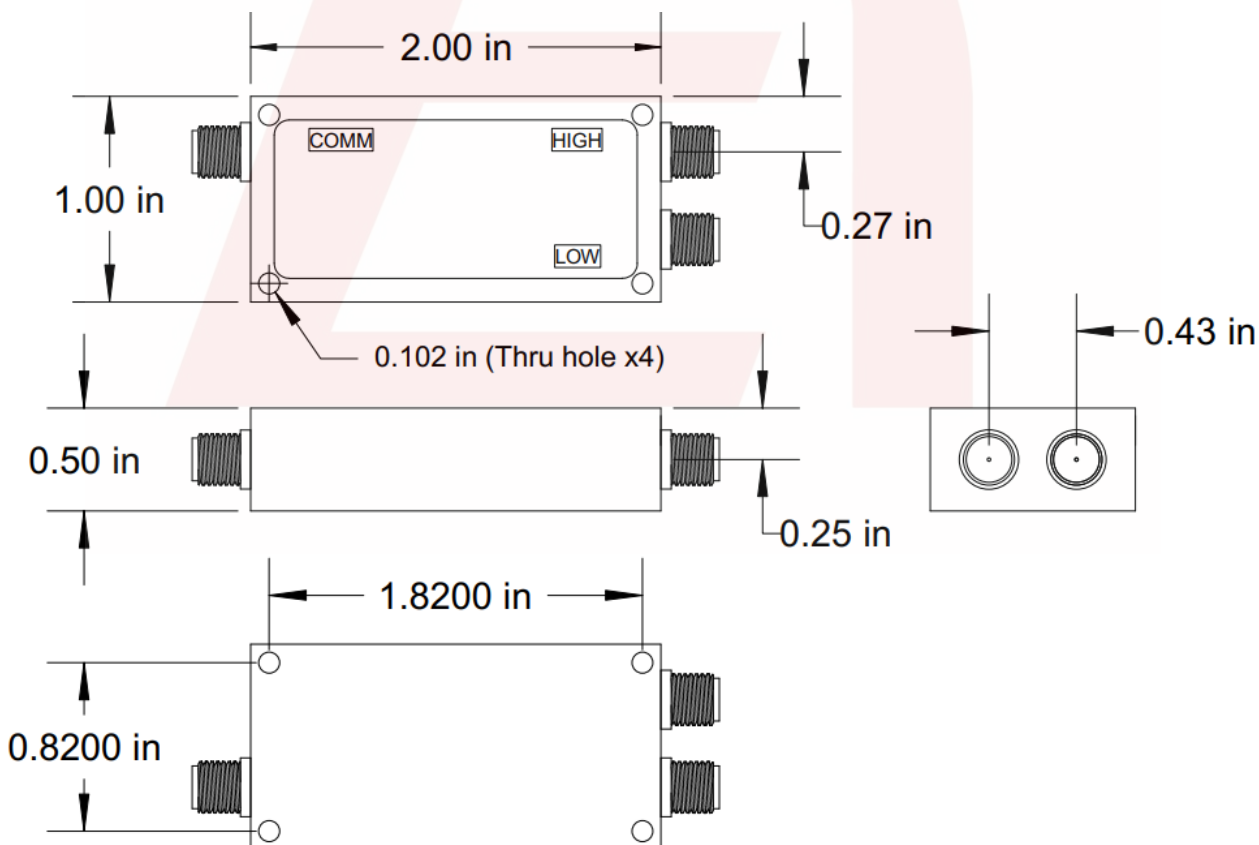
**Mechanical**

|                 |                      |
|-----------------|----------------------|
| Connector Type: | SMA (F)              |
| Dimensions:     | 2.0 x 1.0 x 0.50 in. |

**Environmental**

|                        |                    |
|------------------------|--------------------|
| Operating Temperature: | -54 to +85 deg.C   |
| Storage Temperature:   | -65 to +95 deg.C   |
| Shock:                 | 10 G. 11ms         |
| Vibration:             | 10 G. 5 to 2000 Hz |
| IP Rating:             | IP65               |

**Outline drawing:**



DS-LDP5456-O-06052024-Rev1

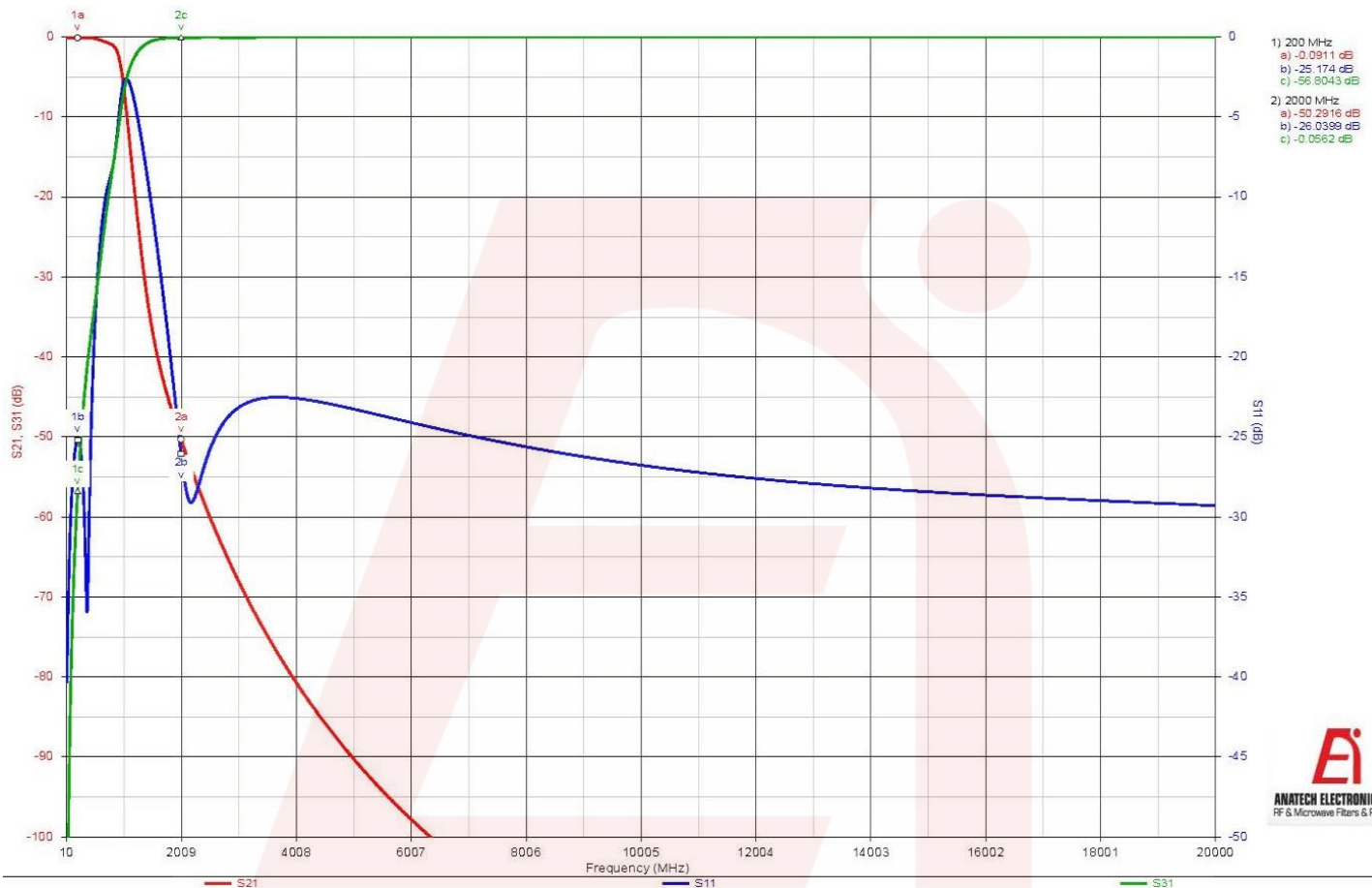


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**Simulated Plot:**



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

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