



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

## 2240 MHz Cavity Bandpass Filter

**Part Number: AE2240B12068**



### Electrical specifications

**Center Frequency (CF):** 2240.5 MHz

**3 dB Bandwidth:** 15MHz Min

**1 dB Bandwidth:** 10 MHz Min

**Insertion loss @ CF:** 1.0 dB Max

**Return Loss @ 1 dB BW:** 15 dB Min

**Rejection @ CF  $\pm$  50 MHz:** 50 dB Min

**Rejection @ 15 GHz:** 50dB Min

**Impedance:** 50 Ohms In/Out

**Power Handling:** 50 W CW

### Mechanical

**Mounting Method:** Thru Holes

**Connector Type:** SMA (F)

**Dimensions:** 4.760 x 2.50 x 1.75 in

**Units will be sealed and painted**

### Environmental

**Operating Temperature:** -40°C to +85°C

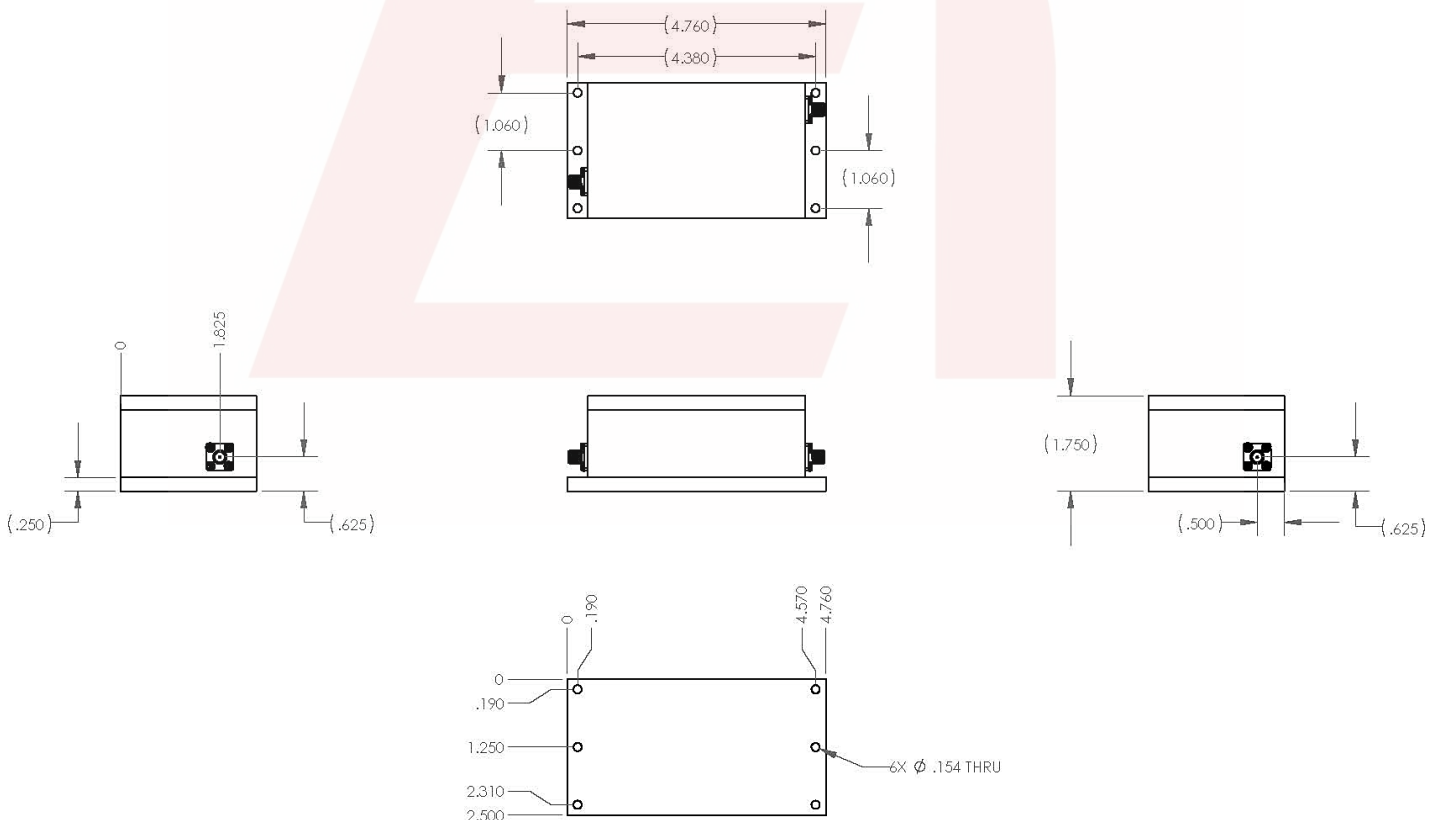
**Storage Temperature:** -45°C to +85°C

**Shock:** 40 G's 5ms, Sine

**Vibration:** 5g RMS 10 Hz to 2000 Hz

**Altitude:** 100,000 ft.

### Outline Drawing:



DS-B12068-03202025-Rev2



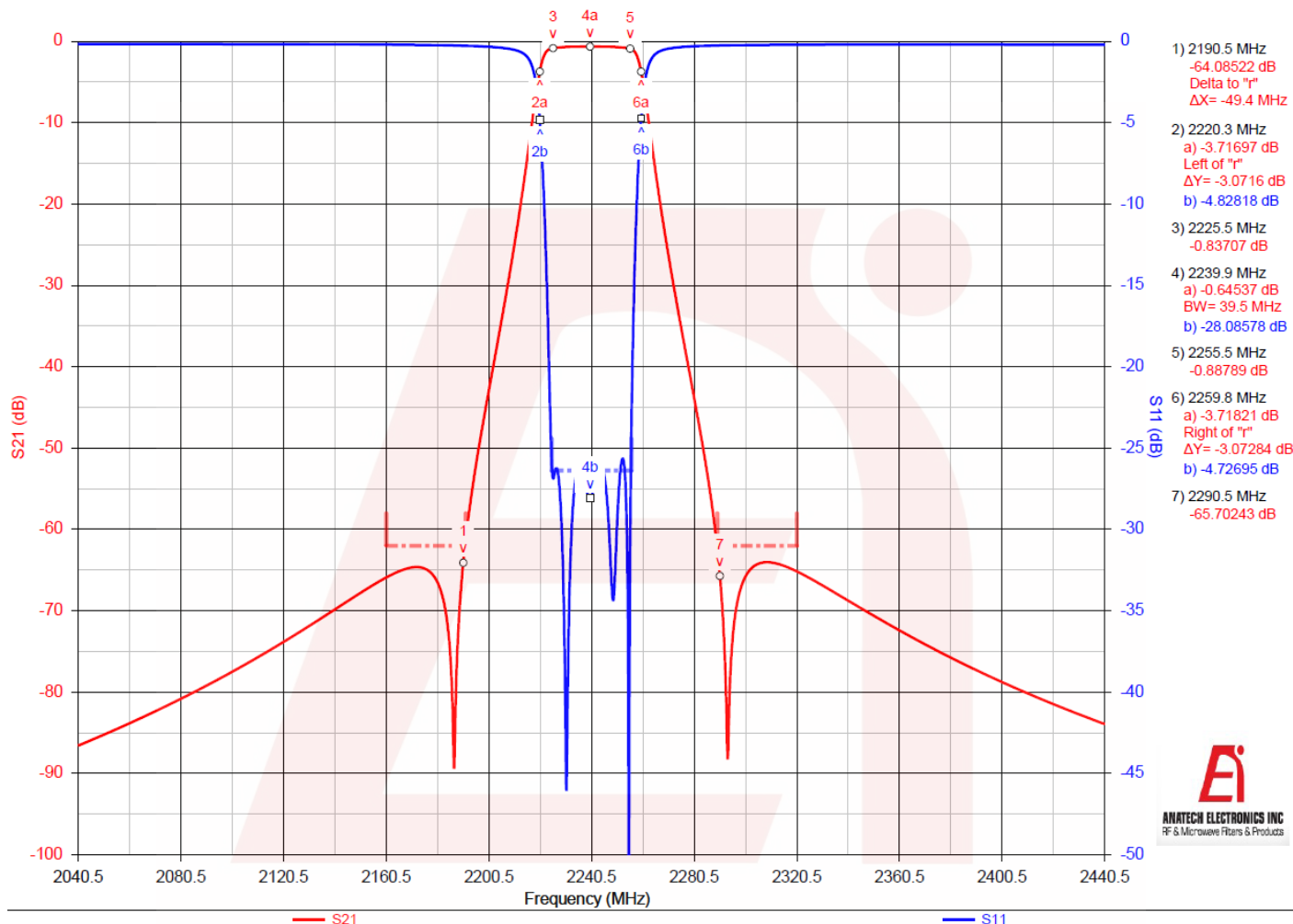
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### Simulation Response Plot:



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

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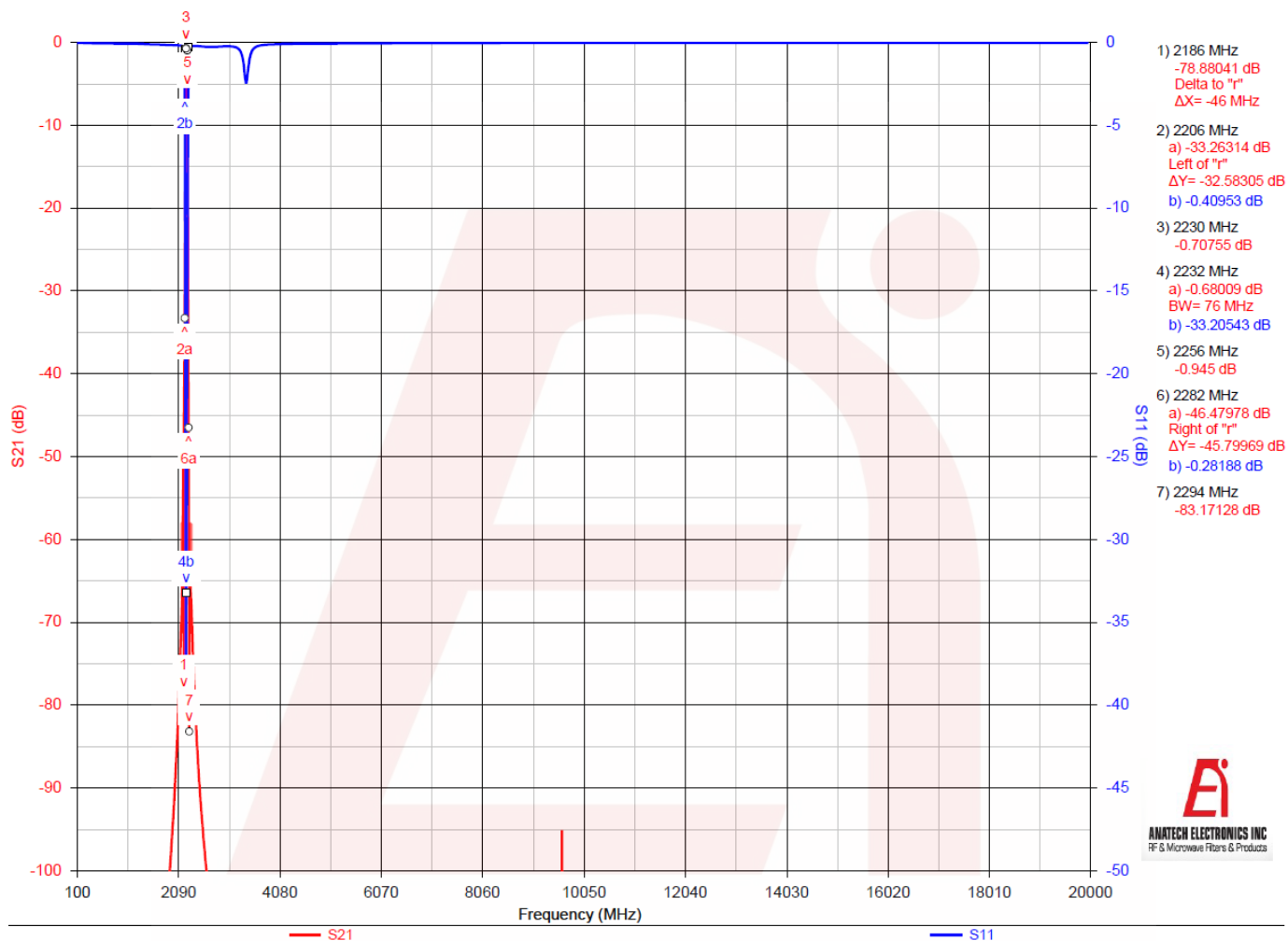
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### Simulation Response Plot Wide Sweep:



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



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