



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

# 3115-3315 MHz / 3400-3600 MHz Cavity Duplexer

**Part Number: AE3215-3500DB5427**



## Electrical Specifications

**Passband 1:** 3115-3315 MHz  
**Bandwidth:** 200 MHz  
**Insertion Loss@ Center:** 0.6 dB Max  
**Insertion Loss@ 3115 MHz:** 1.35 dB Max  
**Insertion Loss@ 3315 MHz:** 1.35 dB Max

**Passband 2:** 3400-3600 MHz  
**1dB Bandwidth:** 200 MHz  
**Insertion Loss@ Center:** 0.6 dB Max  
**Insertion Loss@ 3400 MHz:** 1.5 dB Max  
**Insertion Loss@ 3600 MHz:** 1.5 dB Max

**Isolation:**  $\geq 80$  dB

**Ripple in Passband:** 0.1 dB Max  
**Return Loss over Passbands:** 15 dB Min  
**Power Handling:** 50 W

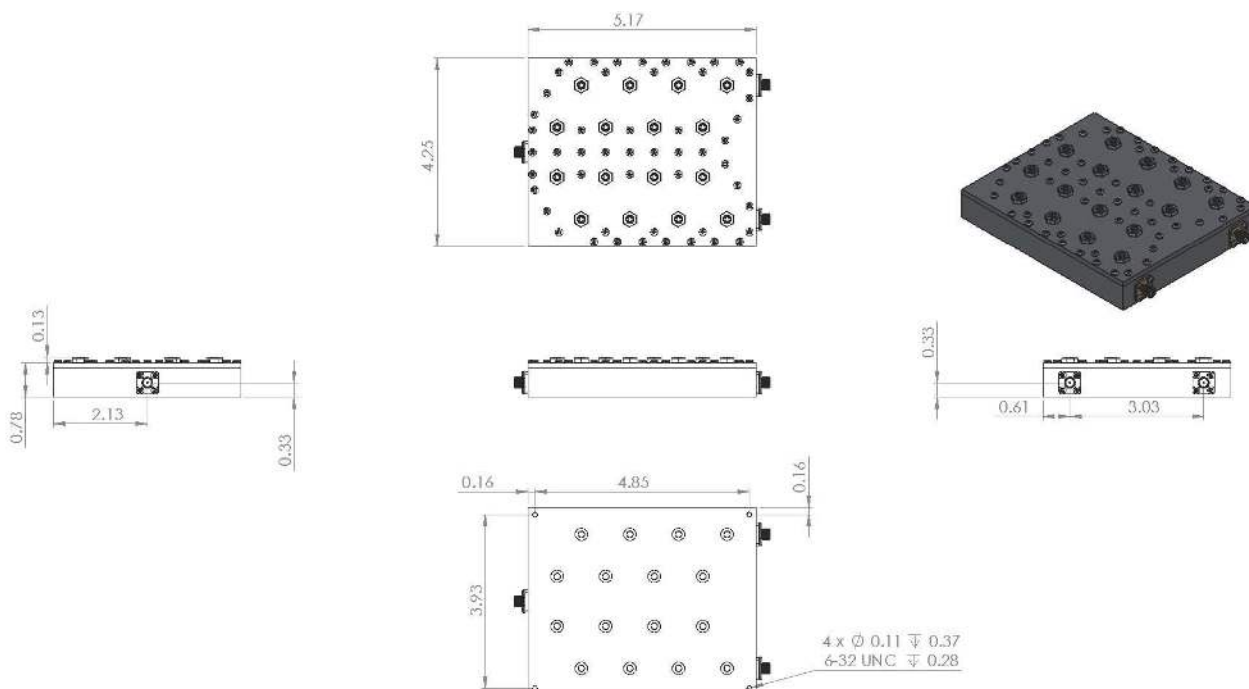
## Mechanical

**Connector Type:** SMA (F)  
**Dimensions:** 5.17 x 4.25 x 0.92 inches

## Environmental

**Operating Temperature:** -40 to +70° C  
**Storage Temperature:** -50 to +90° C

## Outline Drawing:





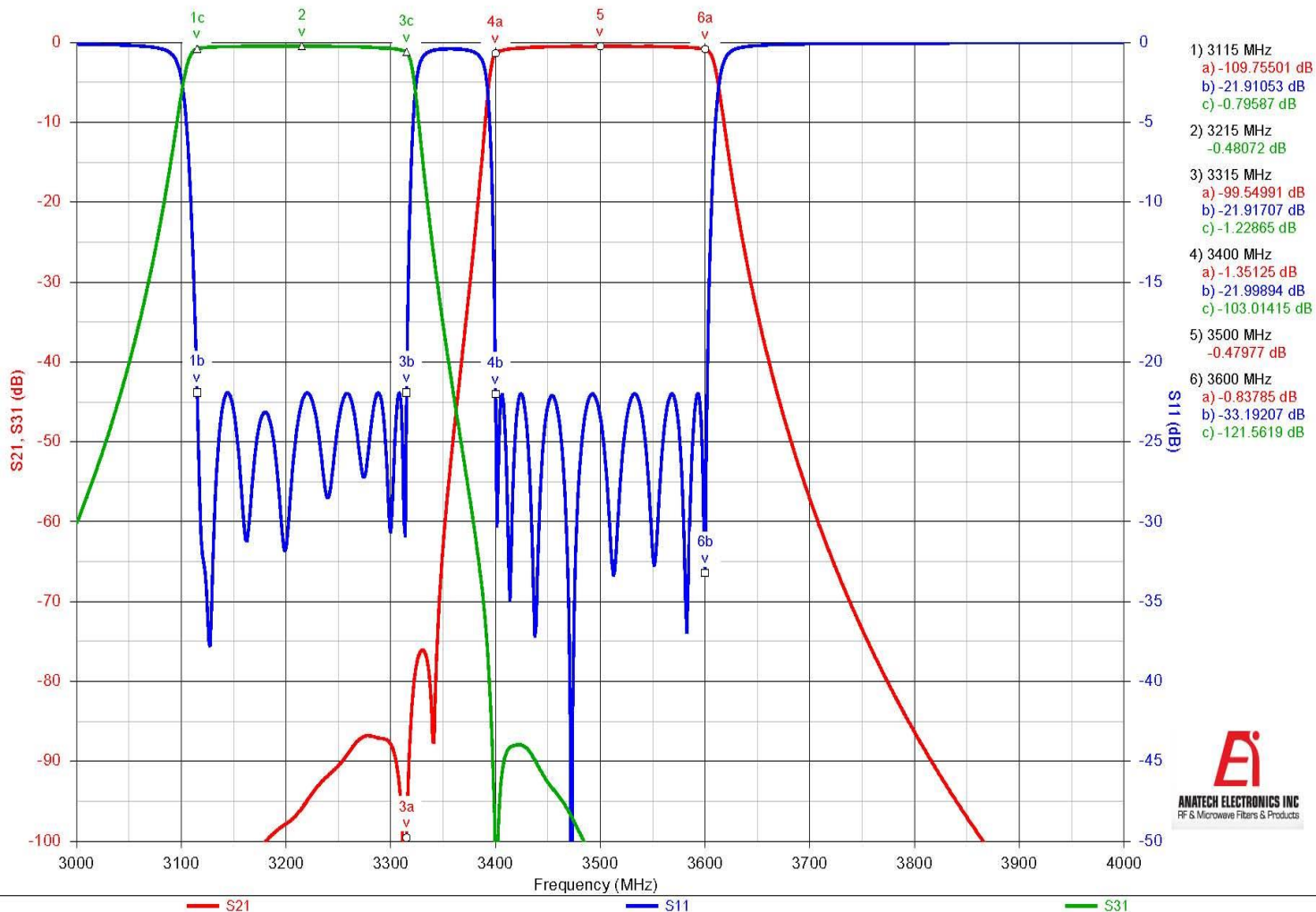
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## Simulated Response Plot



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