



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

# 1085-1095 / 1025-1035 MHz Cavity Duplexer

**Part Number: AE1090-1030D5405**



## Electrical Specifications

**Rx Band:** 1085-1095 MHz

**Tx Band:** 1025-1035 MHz

**Insertion Loss:** 1.3 dB Max

**Return Loss:** 15 dB Min

**Isolation:** 60 dB

**Impedance:** 50  $\Omega$

**Rx/Tx Rejection:**  $\geq 40\text{dB@Edge Frequency} \pm 12\text{MHz}$   
 $\geq 60\text{db@Edge Frequency} \pm 25\text{MHz}$

**Power Handling:** 4 kW Peak, 40 W CW

## Mechanical

**Connector Type:** SMA (F)

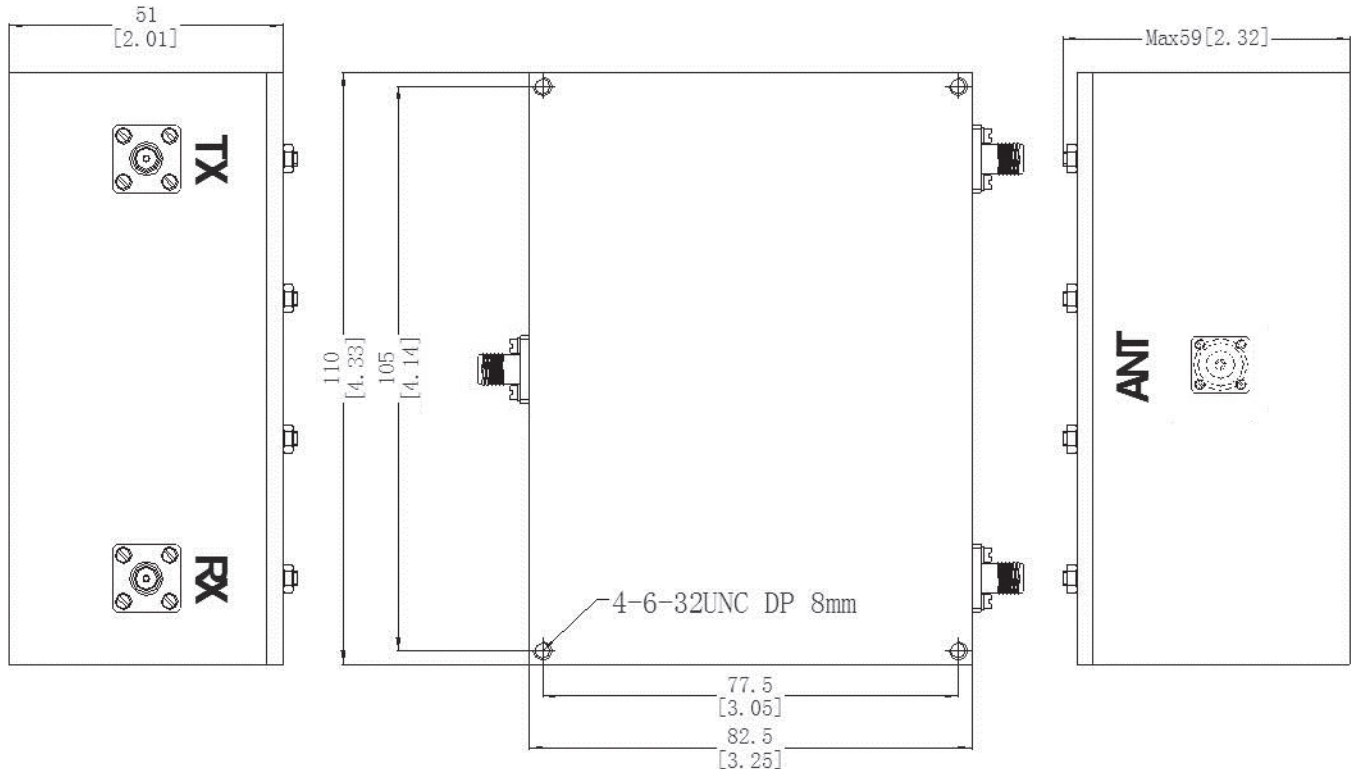
**Dimensions:** 4.33 x 3.25 x 2.32 Inches

## Environmental

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

**Storage Temperature:** -50 to +95° C

## Outline Drawing:





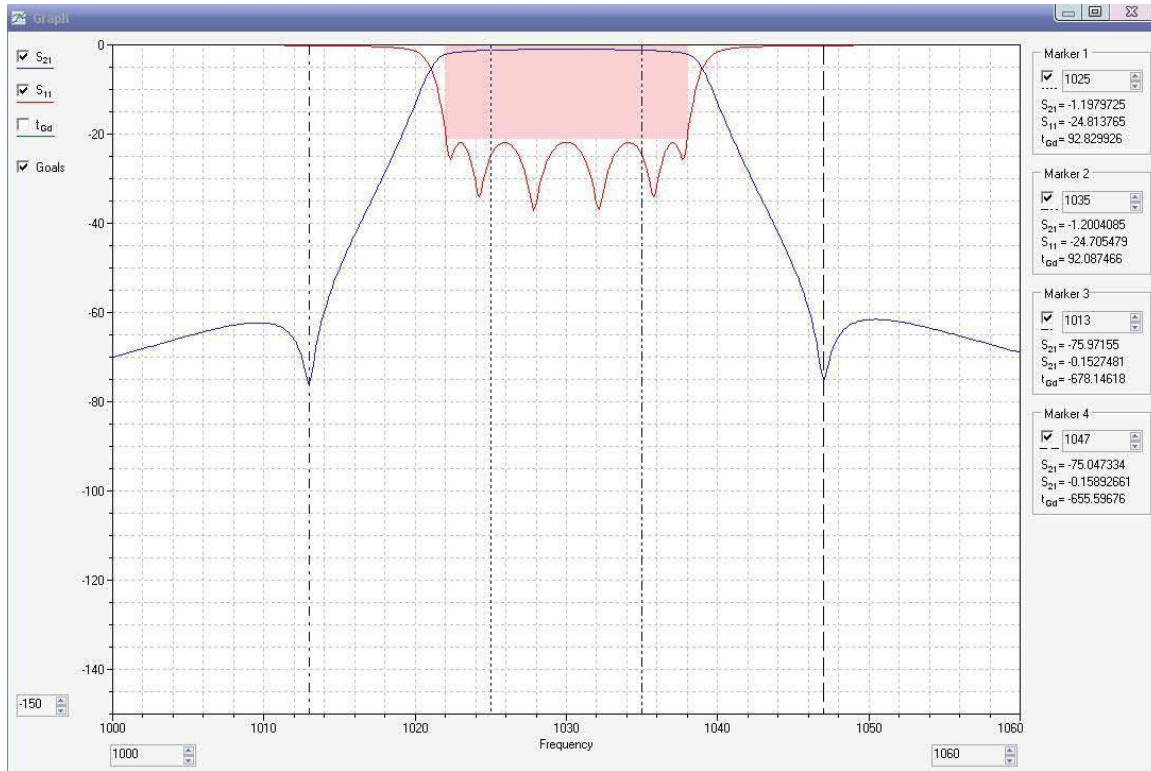
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## TX Response Plot:R



## RX Response Plot:

