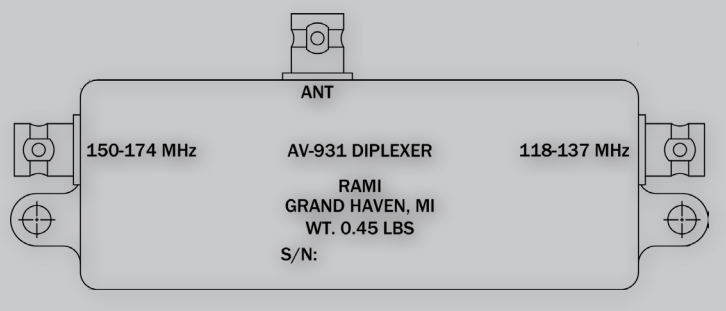
# AV-931

## Aviation Accessories

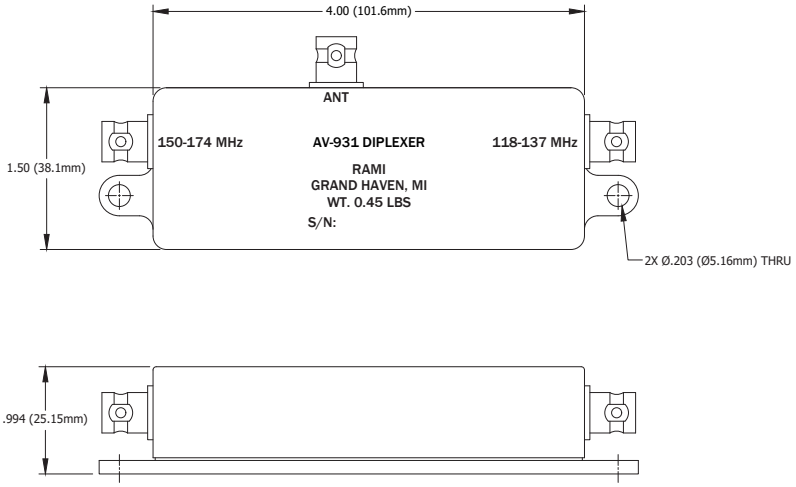
## Diplexer

The AV-931 diplexer can be used with airborne multi-band FM transceivers. The device is designed to provide two separate frequency band ports (typically going to a multi-band transceiver) from a single port multi band antenna.




### Product Specifications

| | |
|---|---|
| **Application** | Diplexer - Airborne Communications |
| **Frequency** | Port 1: Antenna<br>Port 2: Radio 118-137 MHz<br>Port 3: Radio 150-174 MHz |
| **Impedance** | 50 Ohms Nominal |
| **VSWR** | 1.5:1 Maximum |
| **Insertion Loss** | < 0.7 dB |
| **Isolation** | > 30 dB |
| **Connector** | BNC Female |
| **RF Power Handling** | 10 Watts |




### Mechanical Specifications

| | | |
|---|---|---|
| **Height** | 0.99" | 25.15 mm |
| **Weight** | 7.2 oz | 0.21 kg |
| **Color** | Black | |

# AV-931 INSTALLATION INSTRUCTIONS
## Diplexer for General Aviation (Incomplete System)

### TRIPLEXER PORTS

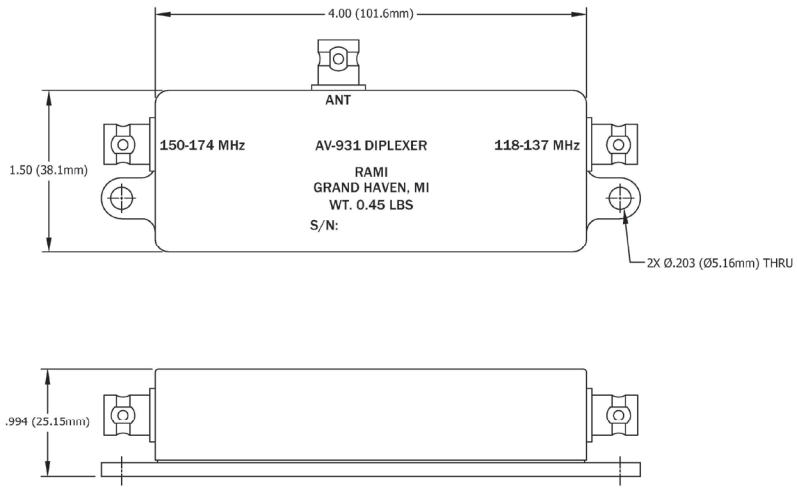
| | |
|---|---|
| Antenna: | to AV-925 antenna or other suitable broadband antenna |
| 150-174 MHz: | to 150-174 MHz transceiver antenna connector |
| 118-137 MHz: | to 118-137 MHz transceiver antenna connector |

### INSTALLATION INSTRUCTIONS

1. The AV-931 requires use of RG-400 (or similar) 50 ohm transmission lines and male type BNC connectors (not supplied).

2. Determine suitable mounting location, drill mounting holes utilizing “mounting template” supplied and secure diplexer via mounting tabs (mounting hardware not supplied).

3. Route, secure and attach transmission lines from transceiver and antenna to appropriate ports on diplexer.




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