

# Comant CI 601

## Duplexer Switching

2008 Data Sheet

The most important thing we build is trust

### CI-601 Duplexer Switching

Dual communication/single antenna duplexer designed to provide operation between two transceivers and one antenna. In the de-energize mode, the diplexer acts as a 3 dB coupler with the output ports isolated by 20dB. Control voltage actuated by the microphone circuit switches the antenna to transmitter No. 1 or transmitter No. 2.

### Applications

Internal mounting location.

### Frequencies Covered

1575.42 MHz

### Specifications

#### Electrical

Frequency	118 - 136 MHz
VSWR	1.6:1 Maximum (Transmit & Receive)
Isolation	20 dB Min - Xmt/Rcv No.1 & No. 2 30 dB Min - Transmit/Receive
Insertion Loss	0.5 dB Maximum
Impedence	50 Ohms
Voltage	12-30 Vdc at 20-50mA

#### Mechanical

Weight	0.40 lbs.
Height	0.82 Inches (See Diagram)
Material	Die Cast Aluminum
Finish	Flat Grey Epoxy
Connectors	BNC (Female)

#### Environmental

N/A Internal Mount

#### Federal Specifications

FAA TSO C37b, C38b



WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

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