

AA1575G VHF/UHF/GPS Antenna Combiner

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VENDOR DESCRIPTION

The AAC-1575G antenna combiner is an airborne electronics unit used in conjunction with external antenna Adcock arrays for direction finding. The unit covers the VHF/UHF and GPS band frequencies. Automatic switching between bands is provided. The unit is well suited for installation in small aircraft and is used in conjunction with the 4400 DF receiver/processor or the 4006R DF processor combined with a communications receiver.

With its wide frequency range, the AAC-1575G is well suited for spectrum monitoring and interference detection in the VHF, UHF, and GPS bands. In conjunction with the DF processor output, the interfering signal information can be passed to the cockpit for display or to a flight inspection avionics system.

The AAC-1575G offers a low-cost, low power consumption alternative.



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Business Category: Large Business

CDR

Hardware		
Frequency: 80 to 520 MHz, 1200 to 1600 MHz	Polarization: Vertical	Dimensions: 7.78" H x 4.97" W x 12.64" D Weight: 6.2 lbs
Azimuth Coverage: 360°	Output Impedance: 50 ohms nominal	Operating Temp.: -40°C to 60°C Storage Temp.: -40°C to 70°C
Antenna Elements: 4-element monopole Adcock arrays external to the aircraft	Power: Voltage: 11.5 - 20 VDC (supplied through DF processor) Current: 125 mA VHF, 370 mA UHF, 550 mA UHF (High)	Connectors: RF Output: Type TNC Female Power & Control: PT06A-12-8S

Performance	
Bearing Accuracy: VHF 80-200 MHz: 3° rms typical (4° rms max) UHF 200-520 MHz: 4.5° rms typical (6° rms max) UHF (High) 1200-1600 MHz: 5° rms typical (7° rms max)	Typical DF Sensitivity: 135 MHz: 3.5 µV/m 250 MHz: 2.0 µV/m 520 MHz: 5.0 µV/m 1201 MHz: 15.0 µV/m