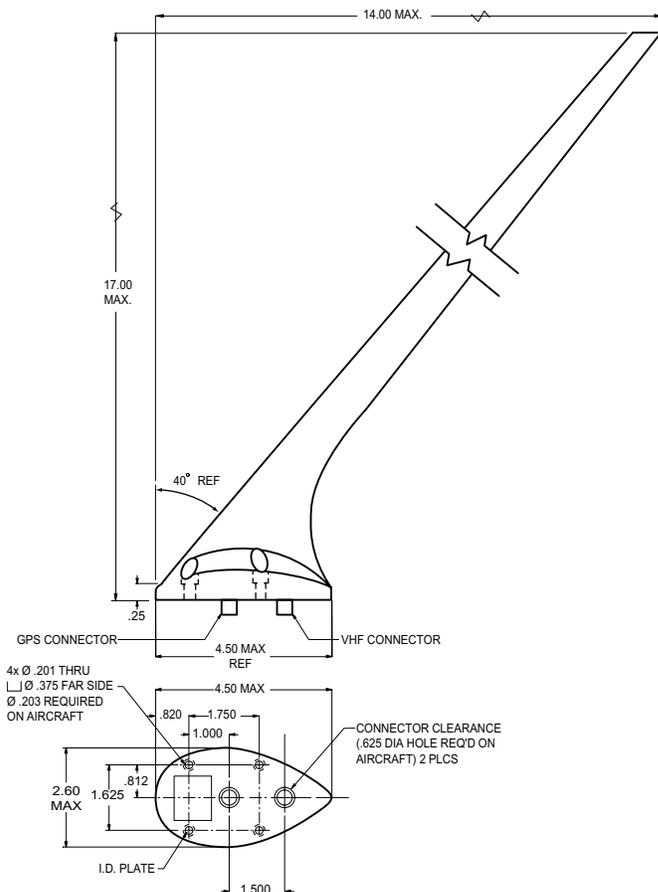


**Frequency • 1575.42 MHz 26.5dB Gain
118-137 MHz**

All new design shares the popular CI 248 style. Combines both GPS and VHF Com functions in a single footprint. Same 4-hole mounting dimensions as popular VHF antennas. Provides separate connections - TNC for GPS and BNC for communication. Requires no other accessories for connection to panel-mount or handheld GPS/Comm receiver/transceiver "combos." Features a built-in notch filter for excellent performance in a single package, and a GPS amplifier designed specifically for Bendix-King™ GPS receivers. This patented design is perfect for helicopter applications, and has been tested under the toughest RTCA DO-160D environmental conditions.



MODEL		CI 2480-200 VHF/GPS Combination
GPS Electrical		
Frequency		1575.42 ± 3 MHz
Polarization		RHCP
Axial Ratio (Boresight)		3 dB Maximum
Power Handling		1 Watt
Radiation Coverage (Gain)		-1.0 dBic $\theta < 75^\circ$
		-2.5 dBic $\theta < 80^\circ$
		-4.5 dBic $\theta < 85^\circ$
		-7.5 dBic $\theta = 90^\circ$ (Horizon)
		+5.0 dBic nom. at $\theta = 0^\circ$ (Zenith)
Amplifier		
Voltage		5 vdc
Gain		26.5 dB
Noise Figure		2.0 dB Maximum
Impedance		50 Ohms
VSWR		2.0:1 Maximum Output
Out of Band Rejection		35 dB Minimum @ 1626 MHz
Power Handling		50 mA Maximum
Lightning		DC Grounded
Data Link Electrical		
Frequency		118 - 137 MHz
VSWR		2.5:1 Maximum
Polarization		Vertical
Radiation Pattern		Omnidirectional
Impedance		50 Ohms
Power Rating		50 Watts
VHF Harmonic Rejection		80 dB Typical
Mechanical		
Weight		0.6 lb. Maximum
Height		17.0 in. Maximum
Material		Molded Radome
Finish		Polyurethane Enamel
Connector		See Order Option
Environmental		
Temperature		-55°C to +85°C
Altitude		55,000 ft.
Air Speed		350 Knots TAS
Federal Specifications		
RTCA Environmental		DO-160D
Environmental Category		[F2X]ACB[S(L)U(F,F1)T(C,C1,R)]
		XRFXXSXXXXXXX[XX]C
FAA TSO		C37d, C38d, C144
RTCA MOPS		DO-186A, DO-228
ORDER OPTIONS		
Connector		
BNC		VHF Port
TNC		GPS Port
Color		
White		Standard
Gasket		C248006-2 Cork



Warning: Drawing not to scale. Use factory supplied drawings and specifications for installation. Call Comant for updated drawings.
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