

Comant CI 150-301

WI-FI DATALINK

CI 150-301 ANTENNA

Comant's six through-hole blade-style mount transponder / cellular / Wi-Fi / UMTS antenna with TNC port. Intended for Wi-Fi applications using 11.802 data protocol. Frequency range supports ADS-B Out and DME applications, including wireless intranet reception and data transfer while the aircraft is parked at the ramp. Suitable for top mounting for light & heavy fixed-wing/multi-engine, helicopter, and business jet aircraft.

APPLICATIONS

Heavy Fixed Wing Single Engine
Heavy Fixed Wing Multi-Engine
Helicopter
Business Jets
Warranty: 1 year
Always consult your installation shop for best application.

FREQUENCIES COVERED

(S Band Wi-Fi Datalink, Public Service, Commercial Wireless, ADS-B Out, DME)
700-799 MHz
800-849 MHz
850-1029 MHz
1030-1090 MHz
1091-2700 MHz

SPECIFICATIONS

Electrical Specifications

Frequency	700-799/800-849/ 850-1029/1030-1090/ 1091-2700 MHz
VSWR	2.8:1 2.2:1 2.0:1 1.5:1 2.0:1 Max
Polarization	Vertical
Radiation Pattern	Equivalent of 1/4 wave stub
Impedance RF	50 Ohms
Power RF	100 Watts Max 1,000 Watts Peak

Mechanical

Weight	0.50 lb.
Height	3.40 in.
Finish	Polyurethane Paint White
Connector	TNC (Female)

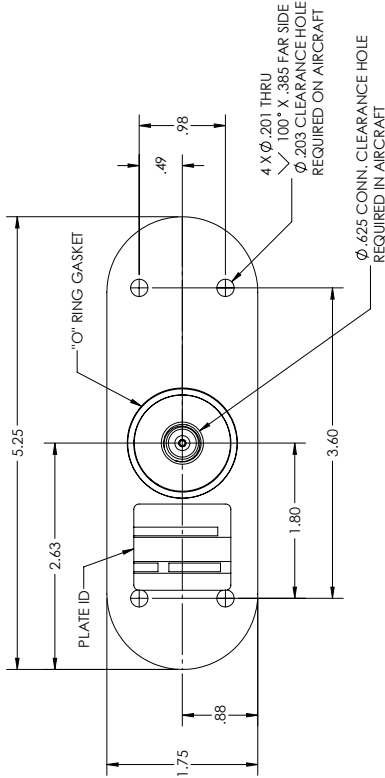
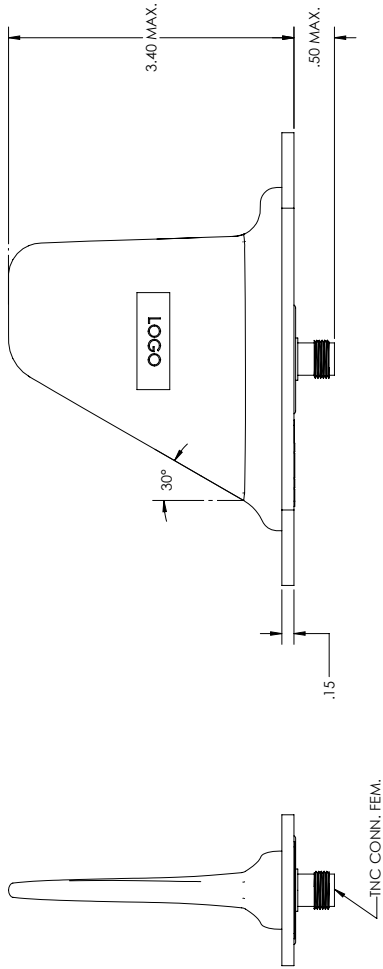
Federal Specifications

FAA TSO	C74d, DO-160G. [F2X] ACA[U2 (F,F1)]XSXXXXXXX [XXX][XX]X[XXXXXX][XX]XXX
RTCA Environmental	DO-160G



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REVISIONS		
LTR	DESCRIPTION	DATE
A	RELEASED DRAWING	06/17/25
B	REF ECN 26-001	1/29/26



NOTES: UNLESS OTHERWISE SPECIFIED.

1. RF CHARACTERISTICS

FREQUENCY	VSWR	RETURN LOSS
700-799 MHz	2.8:1 MAX.	6.49 dB MIN.
800-849 MHz	2.2:1 MAX.	8.52 dB MIN.
850-1029 MHz	2.0:1 MAX.	9.54 dB MIN.
1030-1090 MHz	1.5:1 MAX.	13.98 dB MIN.
1091-2700 MHz	2.0:1 MAX.	9.54 dB MIN.

POLARIZATION VERTICAL

RADIATION PATTERN EQUIVALENT OF A QUARTER WAVE STUB
RF POWER 100 WATTS CONTINUOUS, 1000 WATTS PEAK
IMPEDANCE 50 OHMS

2. FINISH: WHITE POLYURETHANE PAINT

3. MOUNTING SURFACE, CONNECTOR AND MOUNTING HOLES ARE FREE OF PAINT.

4. TSO C74d, DO-160G; [F2X]ACA[U2 (F F1)]XSXSXSXSXS

[XX1][XX1][XXXXXX][XX]XX

5. WEIGHT: 0.50 LB MAX.

6. A 15030 INSTALLATION INSTRUCTIONS SUPPLIED WITH ANTENNA.

ASSY DWG C15028

INSTALLATION DRAWING

UNLESS OTHERWISE SPECIFIED		CONTRACT NO.	
DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .015		THALES	
FRACTIONS: 1/32 ANGLES: ± 1° MACHINE FINISH 125°/PER ANSI-B46.1 REMOVE BURRS AND SHARP EDGES .015 MAX MEET DIMENSIONS BEFORE PLATING DIMENSIONS ARE PER ASME Y14.5M		TRANSPONDER / CELLULAR / WI-FI / UMTS ANTENNA	
MATERIAL:		DWG. NO.	REV.
		C 51351	CI 150-301
DO NOT SCALE DRAWING		CAGE CODE	51351
		DWG. NO.	CI 150-301
		SCALE: 1:1	CAD FILE: --
		SHEET: 1	OF 1