

Comant CI 105-17-L

Single Port ADS-B for UAT and 1090ES

COBHAM

The most important thing we build is trust

CI 105-17-L ADS-B / TIS-B / UAT Antenna

Ideal for upcoming ADS-B FAA mandate, this is the only antenna of its kind, capable of both IN and OUT processing. Single connector blade antenna that can be used for ADS-B, TIS-B, UAT, DME or ATCRBS Transponder, plus Mode S. Unlike competitive models, the CI 105-17-L utilizes standard 6-hole mounting pattern.

TSO:

C66c
C74d
C112e
C154c
C166b

Applications

Consult your FBO or installation shop for best application information. Helicopter approved.

Frequencies Covered

960-1220 MHz
1030-1020 MHz
978 MHz
1090 ± 1 MHz

Specifications

Electrical

Frequency	960 MHz to 1220 MHz 1030 MHz to 1090 MHz 978 MHz 1090 ± 1 MHz
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VSWR	2.0:1 MAX 1.5:1 MAX 1.7:1 MAX 1.5:1 MAX
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Return Loss	9.54 dB MAX -13.98 dB MAX -11.73 dB -13.98 dB MAX
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Polarization	Vertical
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Radiation Pattern	Omni-Directional
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Impedance RF	50 Ohms
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Power RF	1 KW Peak
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Mechanical

Weight	0.3 lbs
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Connector	TNC Female
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Finish	Polyurethane White Paint
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TSO-C66c, 960-1215 MHz

TSO-C74d, Class A, 1030-1090 MHz

TSO-C112e, 1030-1090 MHz

TSO-C154c, Class A3, 978 MHz

TSO-C166b, Class A, B, 1090 ± 1 MHz

RTCA/DO-160G, ENV. CAT.:

[F2X]A CE[R(C,C1)H(R)U2(F,F1)S(L)]XSFSXSXXXX[XXX][XX]
X[XXXXXX][XX]AXX

A10540 Installation Instructions Supplied with Antenna



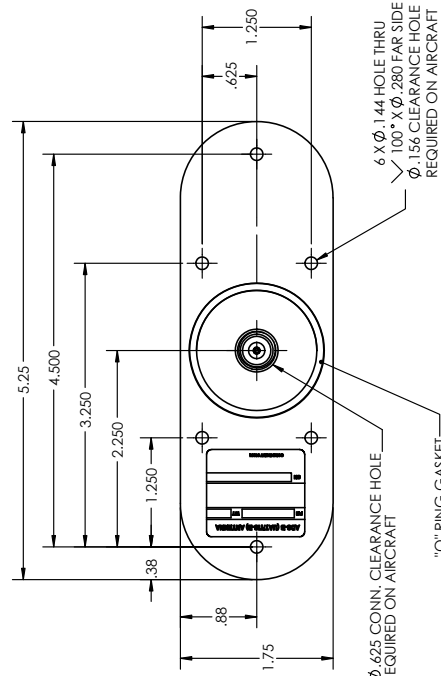
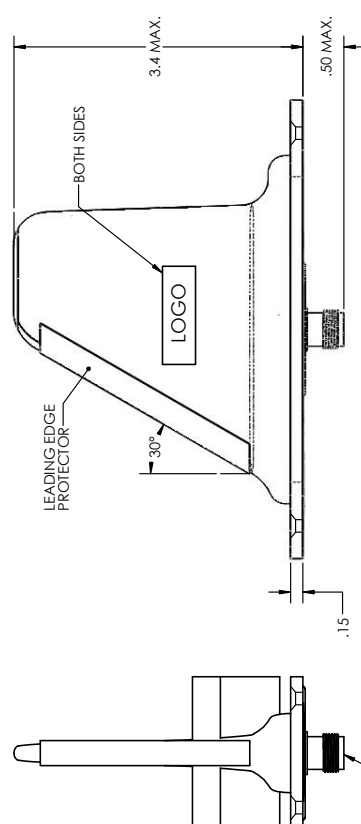
WARNING: Use factory supplied drawings and specifications for installation. Refer to FAA AC 43.13-2B for installation guidelines.

Order at:

Tel: 714-870-2420 Fax: 714-870-6294

Email: comantorders@cobham.com

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NOTES: UNLESS OTHERWISE SPECIFIED

- RF CHARACTERISTICS
 FREQUENCY 960 MHz TO 1220 MHz 1030 MHz TO 1090 MHz 978 MHz 1090 ± 1 MHz
 VSWR 2.0:1 MAX 1.5:1 MAX 1.7:1 MAX 1.5:1 MAX
 RETURN LOSS 9.54dB MAX. -13.98 dB MAX. -11.73 dB -13.98 dB MAX.
 POLARIZATION VERTICAL
 RADIATION PATTERN OMNI-DIRECTIONAL
 IMPEDANCE 50 OHMS
 RF POWER 1 KW PEAK
 WEIGHT: 0.3 LB.
- FINISH: POLYURETHANE WHITE PAINT.
- MOUNTING SURFACE, CONNECTOR AND MOUNTING HOLES ARE FREE OF PAINT.
- TSO-C66C: 960-1215 MHz
 TSO-C74d: CLASS A, 1030-1090 MHz
 TSO-C112e: 1030-1090 MHz
 TSO-C154c: CLASS A3, 978 MHz
 TSO-C166b: CLASS A, B, 1090 ± 1 MHz
 RTCA/DO-160G, ENV. CAT.:
 [F2X]ACE[RIC,C1]H[R]U[F]S[U]X[SFSXXXXXX][XX]X[XXXXXX][XX]AXX
- AT0540 INSTALLATION INSTRUCTIONS SUPPLIED WITH ANTENNA.

INSTALLATION DRAWING

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ON DECIMALS .XX ± .03 .XXX ± .015 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		CONTRACT NO.	
MATERIAL:		APPROVALS	
DO NOT SCALE DRAWING		DRAWN M. NGUYEN 11/02/15	DATE 11/02/15
SCALE: 1:1		CHECK D. HOLLOWAY 11/02/15	ENGR D. HOLLOWAY 11/02/15
MFG J. JONES 11/02/15		REV	
OC S. ADAMS 11/02/15		DWG NO. C 51351	DWG NO. CI 105-17-L
ASSY DWG C10538		REV A	
Comant Industries, Inc.		ANTENNA-ADS-B	
SCALE: 1:1		CAD FILE: --	
SHEET: 1 OF 1		REV A	