Comant CI 105-17-L

Single Port ADS-B for UAT and 1090ES

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
VSWR	2.0:1 MAX 1.5:1 MAX 1.7:1 MAX 1.5:1 MAX
Return Loss	9.54 dB MAX -13.98 dB MAX -11.73 dB -13.98 dB MAX
Polarization	Vertical
Radiation Pattern	Omni-Directional
Impedance RF	50 Ohms
Power RF	1 KW Peak

Mechanical

Weight	0.3 lbs
Connector	TNC Female
Finish	Polyurethane White 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]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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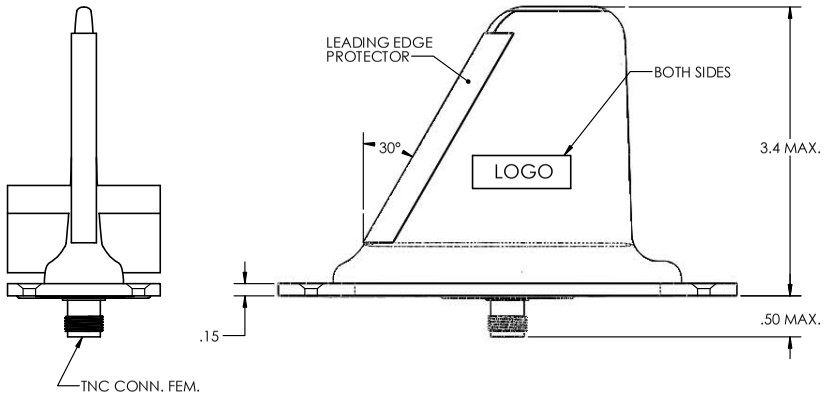
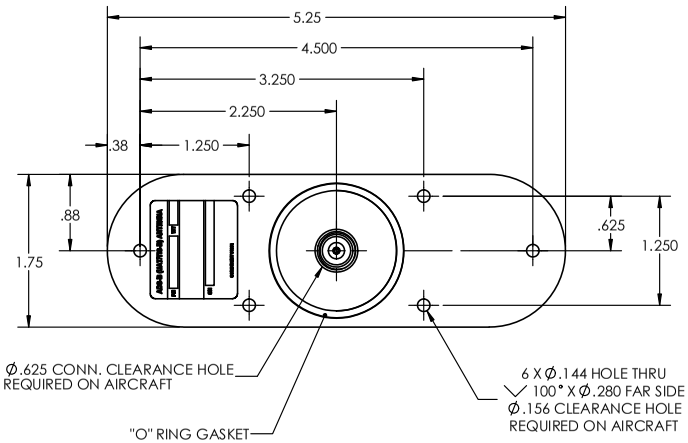
REVISIONS			
LTR	DESCRIPTION	DATE	APPROVAL
A	RELEASED DRAWING MN	11/02/15	DH 11/02/15





NOTES: UNLESS OTHERWISE SPECIFIED

1. 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			

2. WEIGHT: 0.3 LB.
3. FINISH: POLYURETHANE WHITE PAINT.
4. MOUNTING SURFACE, CONNECTOR AND MOUNTING HOLES ARE FREE OF PAINT.
5. 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[R(C,C1)H(R)U2(F,F1)S(L)]XSFSXSXXXX[XXX][XX]X[XXXXXX][XX]AXX
6. A10540 INSTALLATION INSTRUCTIONS SUPPLIED WITH ANTENNA.

DWG NO CI 105-17-L REV. A

INSTALLATION DRAWING

ASSY DWG C10538

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. MATERIAL : DO NOT SCALE DRAWING	CONTRACT NO.		
	APPROVALS		DATE
	DRAWN	M. NGUYEN	11/02/15
	CHECK	D. HOLLOWAY	11/02/15
	ENGR	D. HOLLOWAY	11/02/15
	MFG	J. JONES	11/02/15
	QC	S. ADAMS	11/02/15

Comant Industries, Inc.

ANTENNA-
ADS-B

DWG SIZE	CODE IDENT	DWG. NO.	REV.
C	51351	CI 105-17-L	A

SCALE: 1:1 | CAD FILE: -- | SHEET : 1 OF 1

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