

REV	DESCRIPTION	DATE	APPROVED
C	REF ECH 02/52	HN 02/14/02	DH 12/04/01
D	REF ECH 02/98	WC 02/25/02	DH 01/10/02
E	REF ECH 02/98	WC 02/25/02	DH 01/10/02
F	REF ECH 02/38	WC 08/19/03	DH 01/19/02
G	REF ECH 02/282	WC 10/06/03	DH 11/13/02
H	REF ECH 03/204	HN 07/28/03	DH 04/27/03
J	REF ECH 08/095	MN 1/21/09	DH 1/22/09
K	REF ECH 19/619	RM 8/22/19	DH 8/26/19
L	REF ECH 20/068	RM 9/30/20	DH 10/20/20

NOTES:

1. GPS SPECIFICATION

1.1. RF CHARACTERISTICS:

- FREQUENCY: 1575.42 - 3MHz.
- VSWR: 2.0 : 1 MAX.
- POLARIZATION: RIGHT HAND CIRCULAR.
- IMPEDANCE: 50 OHMS INPUT.
- IMPEDANCE: 50 OHMS OUTPUT.
- GAIN: 5 dB (NOM.) ZENITH.

1.2. AMPLIFIER CHARACTERISTICS:

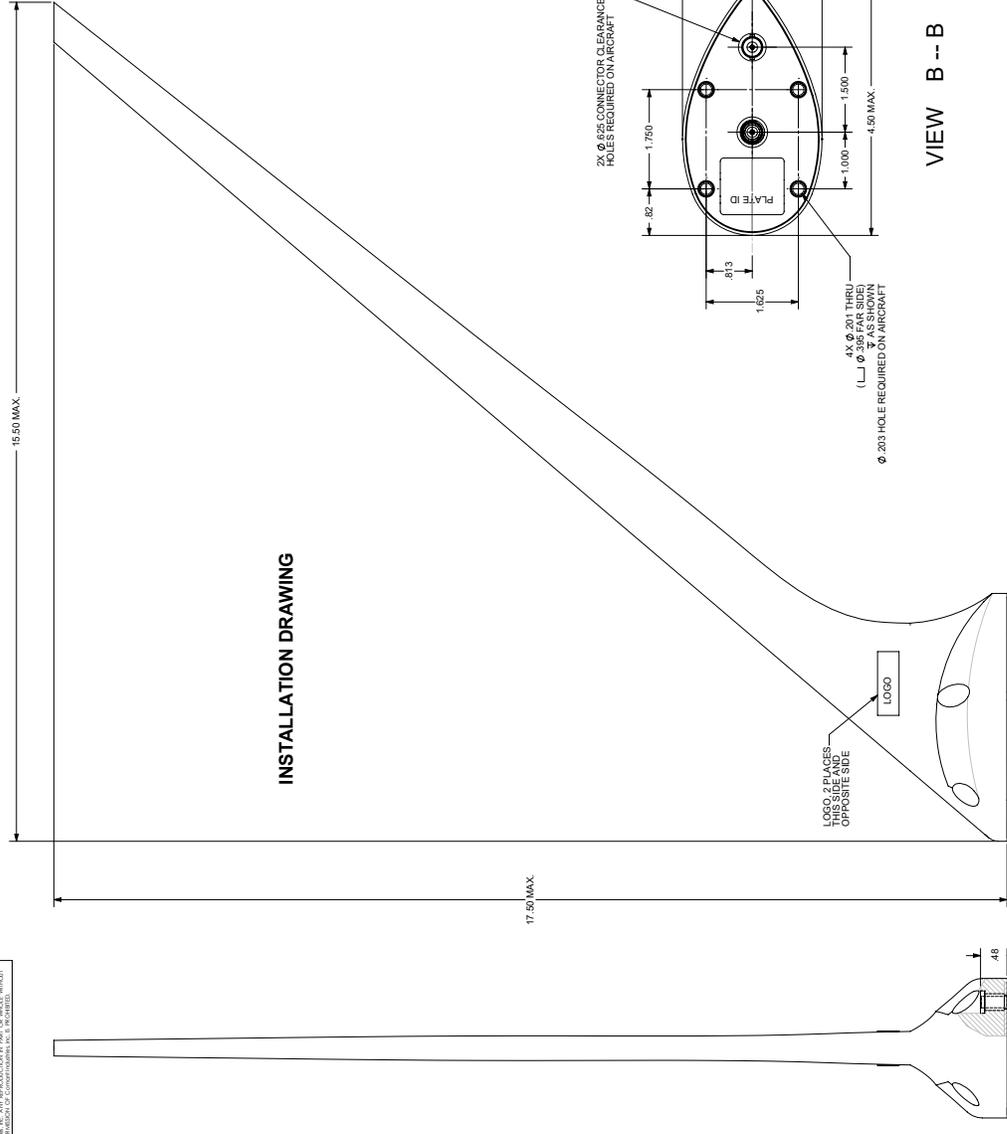
- GAIN (MIN/MAX): 26.5 dB
- D.C. CURRENT: 50 mA MAX.
- NOISE FIGURE: 3.8 dB MAX.

2. VHF SPECIFICATION

2.1. RF CHARACTERISTICS:

- FREQUENCY: 118 - 137 MHz.
- VSWR: 2.5 : 1 MAX.
- POLARIZATION: VERTICAL FUNCTIONAL.
- IMPEDANCE: 50 OHMS.
- POWER RATING: 50 WATTS.
- IMPEDANCE: 50 OHMS.

3. WEIGHT: 0.8 LB.
4. TSX CAT: C384, C144, RTCA DO-160D
5. ENV. CAT: IF2XACBSILUWF1T1(C)1R19RDXSXXXXXXVXXXXXX
6. SHELL CONSTRUCTION MATERIAL: 60% GLASS-FILLED NYLON.
7. FINISH: GLOSSY WHITE POLYURETHANE PAINT.
8. MOUNTING: 300 NOS PLAS.
9. HOLES ARE FREE OF PAINT.
10. NOTCH FILTER (80dB) ADDED TO IMPROVE GPS HARMONIC SUPPRESSION.



VIEW B -- B

ASSY DWG NO. D248014

CITY		REV	PART NUMBER	DESCRIPTION	MATERIAL / SPECIFICATIONS
UNLESS OTHERWISE SPECIFIED		CONTRACT NO.			
DIMENSIONS ARE IN INCHES		APPROVALS			
DECIMALS: XX.XX, .XXX, 1.11		DRAWN: K. TRINH		DATE: 08/22/01	
FRACTIONS: 1/16, ANGLES: 1:1		CHECK: M. KASIMIR		DATE: 08/22/01	
MACHINE FINISH: 125/PER ANSI-B46		ENGR: D. HOLLOWAY		DATE: 08/22/01	
SHARP EDGES: R15 MAX		APPD: D. HOLLOWAY		DATE: 08/22/01	
DIMENSIONS ARE PER ASSE Y12M		OC: P. BOSEANU		DATE: 08/22/01	
DIMENSIONS ARE PER ASSE Y12M		SCALE: FULL		SHEET TOP 1	
MATERIAL:		DO NOT SCALE DRAWING			
NET ASSY	USED ON	APPLICATION	COMANT INDUSTRIES, INC.		
NEXT ASSY	FINAL ASSY	QTY REQD	GPS / VHF COMBINATION ANTENNA		
PARTS LIST		DRAWING NO: D 51351			
PARTS LIST		DWG NO: CI 2480-200			
PARTS LIST		REV: L			