



REV	DESCRIPTION	DATE	APPROVED
D	REDRAWN WITH CHANGE PER ECN 03.91	05/14/03	DH0527/03
E	REF ECN 04.120	11/17/06	AV 11/17/06
F	REF ECN 07.056	02/07/07	AV 02/07/07
G	REF ECN 08.095	11/21/08	DH 11/21/08
H	REF ECN 20.077	10/1/20	DH 10/20/20
J	REF ECN 23.046	5/24/23	DH 05/24/23

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UNLESS OTHERWISE SPECIFIED:
 DIMENSIONS ARE IN MILLIMETERS
 TOLERANCES ON DIMENSIONS:
 DIMENSIONS IN PARENTHESES ARE FOR REFERENCE ONLY
 FUNCTIONAL DIMENSIONS ARE TO BE USED FOR MACHINING
 MACHINE FINISH: 12.5% PER ANSI-B46.1
 SURFACE FINISH: 3.2 MICROMETERS MAXIMUM
 SHARP EDGES: 0.154 MM MAX
 ALL DIMENSIONS ARE TO UNLESS OTHERWISE SPECIFIED
 MATERIAL: 1. ALUMINUM 6061-T6

NOTES: UNLESS OTHERWISE SPECIFIED
 1. RF CHARACTERISTICS:
 1.1 FREQUENCY: 138 - 174 MHz
 1.2 VSWR: 3.0:1 MAX.
 1.3 RETURN LOSS: 6.02 DB
 1.4 POLARIZATION: VERTICAL
 1.5 MODULATION: ON/OFF DIRECTIONAL
 1.6 POWER RATING: 50 WATTS
 1.7 IMPEDANCE: 50 OHMS NOMINAL
 2. FINISH: GLOSSY WHITE POLYURETHANE PAINT NON-YELLOWING.
 3. MOUNTING SURFACE: CONNECTOR AND MOUNTING HOLES ARE FREE OF PAINT.
 4. WEIGHT: 0.18 MAX.
 5. ISO CODE: C380-DO-138-ENV. CAL: RA1XXXXXXX
 6. AIR SPEED RATING: 450 KNOTS TAS @ 25,000 FT.
 7. HOLES THRU OVAL OF AIRCRAFT FOR INSTALLATION.

ASSY. DWG. C1731

INSTALLATION DRAWING

CONTRACT NO. _____
 APPROVALS:
 DRAWN: HINGUYEN 5/14/03
 CHECK: J.GOMEZ 5/21/03
 ENGR: J.HOLLOWAY 5/21/03
 APPD: P.BONNEAU 5/21/03
 DATE: 5/21/03
 DRAWN: HINGUYEN 5/14/03
 CHECK: J.GOMEZ 5/21/03
 ENGR: J.HOLLOWAY 5/21/03
 APPD: P.BONNEAU 5/21/03
 DATE: 5/21/03

Comant Industries, Inc.
 ANTENNA-VHF COMMUNICATIONS FM

COMP. DWG. NO. 51351
 DWG. NO. CI 177-13
 SCALE: 1:1
 SHEET: 1 OF 1

DO NOT SCALE DRAWING