



REV	DESCRIPTION	DATE	APPROVED
F	REDRAWN FOR CLARITY	10/25/03	SC102493
G	REF ECN 064120	11/17/06	AV11/18006
H	REF ECN 064151	01/23/07	AV01/23007
J	REF ECN 084955	12/09/08	DH12/09/08
K	REF ECN 200227	07/16/20	DH17/16/20

UNLESS OTHERWISE SPECIFIED	CONTRACT NO.
TOLERANCES ON DIMENSIONS	
X ± 0.00 XX ± 0.01 XXX ± 0.05	
MACHINE FINISH 125% PER ANSI-B41	
REMOVE BURRS AND	
MEET DIMENSIONS BEFORE PLATING	
DIMENSIONS ARE PER ASME Y14.5M	

APPROVALS	DATE
DRAWN H. NGUYEN	10/25/03
CHECK S. CASLOW	10/25/03
ENGR D. HOLLOWAY	10/25/03
APPD R. N. ALEXANDER	10/25/03

Comant Industries, Inc.	
ANTENNA- COMM/HF/FM BROAD BAND	
SIZE	DWG NO.
D 51351	CI 292-4
REV	REV
	K
SCALE: 1:1 CAD FILE:--	
SHEET: 1 OF 1	

**INSTALLATION DRAWING**

**ASSY DWG C29221-4**

6.65 DIA CONNECTOR CLEARANCE HOLE  
REQUIRED ON AIRCRAFT

NOTES:

1. RF CHARACTERISTICS:
  - 1.1 FREQUENCY 1.38-174 MHz AND 138 TO 174 MHz
  - 1.2 SWR 2.5:1 MAX. AND 3:0:1 MAX.
  - 1.3 POLARIZATION VERTICAL
  - 1.4 ANTENNA GAIN -7.5dB MIN. AND 6.0dB
  - 1.5 RADIATION PATTERN 2.5 dB MIN @ BEAM MAX.
  - 1.6 POWER RATING 50 WATTS
  - 1.7 IMPEDANCE 50 OHMS NOMINAL
2. MOUNTING SURFACE: CONNECTOR, BEHEM AND MOUNTING HOLES ARE FREE OF PAINT.
3. FINISH: GLOSSY WHITE POLYURETHANE PAINT NON YELLOWING.
4. WEIGH: 0.6 LB MAX.
5. APPROVED TO ISO C37C CLASS 1 & C38C DO-160B ENV. CAT. BAJXXXXXXX
6. AIR SPEED RATING: 250 KNOTS TAS.

DO NOT SCALE DRAWING

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