



REV	DESCRIPTION	DATE	APPROVED
A	WAS 85.011 WAS 180 DELETED ANTENNA GAIN, ADD RECEIVE ONLY TO RADIATION PATTERN, CHG 2.50 REF TO 2.40 MAX.	4/5/85	RES 41/9/85
B	REF ECH 87.5	8/1/87	DH 41/1/87
C	REF ECH 87.4	4/1/88	RES 41/7/88
D	REF ECH 98.44	4/1/798	DH 41/7/98
E	REF ECH 99.128	1/4/00	DH 11/4/00
F	REF ECH 08.995	11/20/08	DH 11/20/08
G	REF ECH 23.000	3/7/23	DH 03/07/23

UNLESS OTHERWISE SPECIFIED	CONTRACT NO.	COMANT INDUSTRIES, inc.
TOLERANCES ON DECIMALS		
X .00 .XX ± .01 .XXX ± .005		
MACHINE FINISH 125° PER ANS B46.1		
REMOVE BURRS AND SHARP EDGES		
SAFETY DIMENSIONS BEFORE PLATING		
DIMENSIONS ARE PER ASSEMBLY		
MATERIAL:		
DO NOT SCALE DRAWING		

APPROVALS	DATE
DRAWN	4/22/80
CHECK	10/27/82
ENGR	10/27/82
MFG	10/27/82
OC	N/A

REV	DATE	REV
D	51351	CI 222
SCALE: NONE		040 FILE: --
SHEET: 1		OF: 1

ASSY DWG. C.22201

INSTALLATION DRAWING

NOTES UNLESS OTHERWISE SPECIFIED
 1. RF CHARACTERISTICS:
 FREQUENCY 88 TO 108 MHz FM AND 540 TO 1600 kHz AM
 3.51 MAX (5.1 dB MIN) AT MID BAND RESONANT FREQUENCY, 98 MHz.
 VSWR (RETURN LOSS dB) 30:1 MAX (0.66 dB MIN) AT 88 AND 108 MHz BAND EDGES.
 NOTE: 1) WHEN TESTED ON A 10X10 GROUND PLANE
 NOTE: 2) NOT TESTED AT AM FREQUENCIES
 POLARIZATION SLANT LINEAR
 RADIATION PATTERN OMNI DIRECTIONAL (RECEIVE ONLY)
 2. MOUNTING SURFACE, CONNECTOR AND MOUNTING HOLES ARE FREE OF PAINT.
 3. FINISH: WHITE GLOSSY POLYURETHANE PAINT, NON YELLOWING, SKYDROL RESISTANT.
 4. WEIGHT: 0.5 LB.
 6. AIR SPEED RATING: 450 KNOTS @ 20,000 FT.