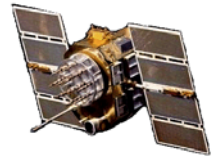






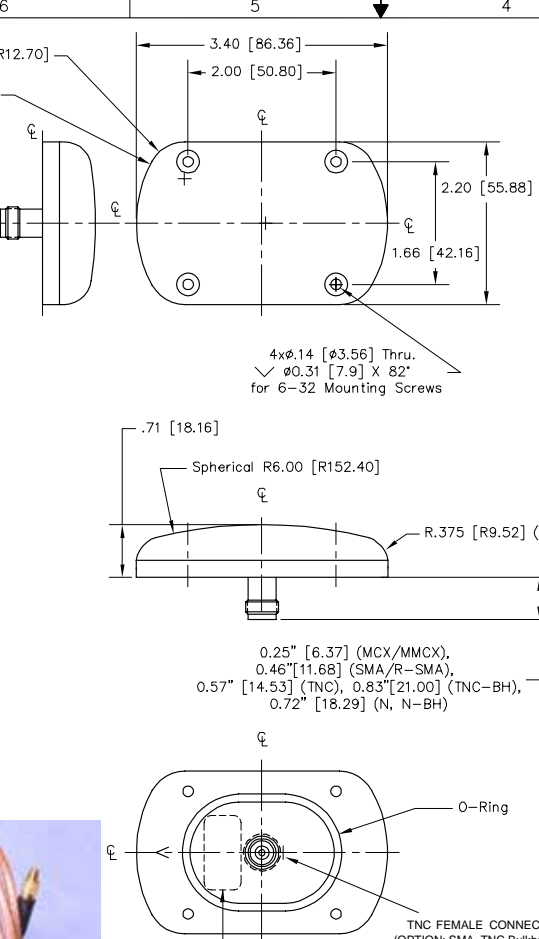


Active or Passive L1/L2 GPS Antennas, P/N: 4G1215X-XXC-X: (3.4" x 2.2") Mini Arinc Configurations DAGR's Remote Antenna 2 (RA-2), P/N: 4G1215A-XTC-3



ANTCOM CORPORATION . 367 Van Ness Way, #602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com



P/N: 4G1215A-XTC-3

SIZE	FREQ BAND	LNA	A/R
1: 2" SQ	1215:L1/L2	A: with +33dB LNA; A2: with 20 dB LNA; A27: with +27 dB LNA	-
1.9: 1.9" SQ	15:L1 ONLY	A4: with +40 dB LNA; AL: WITH LNA/LIMITER	1
2: 2.6" DIA		P: WITHOUT LNA	
3: 3.5" DIA		PL: WITHOUT LNA and THINNER (HEIGHT=0.61")	
4: MINI ARINC			

SPECIFICATIONS			
		REVISIONS	
ZONE	REV	DESCRIPTION	DATE

ELECTRICAL:

	L1: (1575.42 ±12) MHz	L2: (1227.60 ±12) MHz
FREQUENCY:		
RADIATION PATTERN:	HEMISPHERICAL	
POLARIZATION:	RHCP	
VSWR:	< 1.5:1	
IMPEDANCE:	50 ohms	
ANTENNA GAIN (dBic):	Free Space	16 in G.P.
@ 90° (ZENITH):	+4.6	+0.3
@ 10° Elevation	-2.5	-3.1
@ 20° Elevation	-1.1	+0.7
@ 30° Elevation	+0.5	+1.7
@ 60-90° Elevation:	> 3.6	+3.1/+0.3
@ 90° Elevation:	> 2.1	> 0.9
@ 100° Elevation:	> 3.2	> 3.2
BEAM WIDTH(3dB):	103 Deg	120 Deg
AXIAL RATIO	2 dB	146 Deg
LIGHTNING PROTECTION:	DC GROUNDING	
LNA GAIN:	33 dB	35 dB
LNA NOISE FIGURE:	3.0 dB	3.0 dB
LNA P1dB Out:	+13 dBm	+13 dBm
LNA DC POWER:	2.5V/20mA, 3V/29mA, 3.3V/35mA, (2.5-24)V/<50mA	
REJECTION @ (-50/+50)MHz	-41 dB / -59 dB	
@ (-100/+100)MHz	< -65 dB	
POWER HANDLING	1 Watt CW, Optional: 10 Watts 1 Microsec Pulse (-AL-)	

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 3.40 in. [86.36 mm], HEIGHT: 0.72 in. [18.16 mm], 0.61" [15.49] (Optional for Passive)

WEIGHT: 5.15 oz. (146 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE AND FIRE RETARDANT

CONNECTOR: TNC FEMALE (OPTION: SMA, TNC Bulkhead, N, N Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000ft

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QTY	DESCRIPTION	PART NO	FINISH	ITEM NO
4	MOUNTING SCREWS for -PL- ONLY: (6-32, 3/4")	91500A151	-	5
4	MOUNTING SCREW: (6-32, 1")	91500A153	-	4
1	O-RING	2-031/N756-75	-	1

2. O-RING, AND ARE SUPPLY

1. DIMENSIONS I

NOTES: UNL