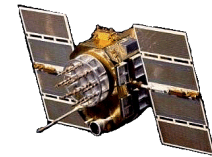




ISO 9001:2008/FAA Approved Facility

Passive L1/L2 GPS Antenna

P/N: 4G1215P-XTC-3-0.65T (TNC)
 P/N: 4G1215P-XTBC-3-0.65T (TNC-Bulkhead)
 (3.4" x 2.2") Mini Arinc Center Connector Configuration



Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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>

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	L1: (1575.42 ±12) MHz		L2: (1227.60 ±12) MHz			
RADIATION PATTERN:	HEMISPHERICAL					
POLARIZATION:	RHCP		RHCP			
VSWR:	< 2:1		< 2:1			
IMPEDANCE:	50 ohms		50 ohms			
ANTENNA GAIN (dBic):	Free Space	16 in G.P.	4 ft G.P.	Free Space	16 in G.P.	4 ft G.P.
@ 90 ° (ZENITH):	+ 4.6	+ 0.3	+ 2.9	+ 1.8	+ 1.9	+ 5.3
@ 10 ° Elevation:	- 2.5	- 3.1	- 1.8	- 4.2	- 3.1	- 2.3
@ 20 ° Elevation:	- 1.1	- 1.1	+ 0.7	- 2.9	- 1.1	+ 0.4
@ 30 ° Elevation:	+ 0.5	+ 0.9	+ 1.7	- 2.0	+ 0.5	+ 2.3
@ 60 - 90 ° Elevation:	> 3.6	+ 3.1/+ 0.3	> 2.1	> 0.9	+ 3.1/+ 1.9	> 3.2
BEAM WIDTH (3dB):	103 Deg.	120 Deg.	146 Deg.	108 Deg.	120 Deg.	74 Deg.
AXIAL RATIO:	2 dB		2 dB			
LIGHTNING PROTECTION:	DC GROUNDING					

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH 3.40 in. [86.36 mm], HEIGHT: 0.65 in. [16.51 mm]

WEIGHT: 5.15 oz. (146 g)

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

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

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

ENVIRONMENTAL:

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

ALTITUDE: 70,000 ft.

VIBRATION: > 30 G's

LEAKAGE: HERMETICALLY SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

2. O-RING, AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE:	FREQ. BAND:	LNA:	4	MOUNTING SCREWS for -PL- ONLY: (6-32, 3/4")	91500A151	-	3
1; 2" SQ.	1215; L1/L2	A: with +33dB LNA; A2: with 20 dB LNA; A27: with +27 dB LNA	4	MOUNTING SCREW: (6-32, 1")	91500A153	-	2
1.8; 1.9" SQ.	15; L1 ONLY	A4: with +40 dB LNA; A4: WITH LNA/LIMITER	1	O-RING	2-031/N756-75	-	1
2; 2.6" DIA.		P: WITHOUT LNA	4	DESCRIPTION	PART NO	FINISH	REV
3; 3.5" DIA.							
5; MINI ARINC							

P/N: 4G1215P-XTBC-3-0.65T

CABLE LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; RS: R-SMA; P: PINN	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG, N: NO MAG.	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
T: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: CAMO GREEN #34084 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
		-5: DESERT TAN #33446 PER FED-STD-595B

ANTCOM CORP. TORRANCE CALIFORNIA

OUTLINE DRAWING
 PASSIVE L1/L2 GPS
 ANTENNA

DATE: JUN 04 2016 TIME: 10:00 AM
 DRAWN BY: S. HUYNH
 CHECKED BY: S. HUYNH
 APPROVED BY: S. HUYNH

SCALE: 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas