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MECHANICAL:
SIZE: DIAMETER: 3.50 in. [88.90 mm]
HEIGHT: 0.690 in. [17.53 mm] (for Active), 0.58" [14.73] (for Passive)
WEIGHT: 6.5 oz. (184.3 g)
FINISH: SKYDROLRESISTANT POLYURETHANE ENAMEL
BASE IRIDIUM PER MIL-C-5441
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROLRESISTANCE AND FIRE RETARDANT
CONNECTOR: TNC FEMALE
(OPTION: SMA, TNC Bulkhead, N, N Bulkhead, MCX, MMCX, or Cable)

ELECTRICAL:
FREQUENCY: L1: (1575.42 ±12) MHz
RADIATION PATTERN: HEMISPHERICAL
POLARIZATION: RHCP
VSWR: < 1.5:1
IMPEDANCE: 50 ohms
ANTENNA GAIN (dBic): Free Space 16 in G.P. 4 ft G.P.
@ 90° (ZENITH): +5.4 +2.2 +4.6
@ 10° Elevation: -1.3 -2.4 -1.0
@ 20° Elevation: +0.4 -0.3 +1.4
@ 30° Elevation: +1.8 +1.7 +1.5
@ 60-90° Elevation: > 4.5 +4.6/+22 > 2.7
BEAMWIDTH (3dB): 109 Deg. 115 Deg. 136 Deg.
AXIAL RATIO: 2 dB
LIGHTNING PROTECTION: DC GROUNDING

LNA OPTION
LNA GAIN: 33 dB
LNA NOISE FIGURE: 2.2 dB
LNA P1dB Out: +13 dBm
LNA DC POWER: 2.5V/20mA, 3V/20mA, 3.3V/20mA, (2.5-24)V/<30mA
REJECTION @ (-50/+50)MHz: -45 dB / -70 dB
@ (-100/+100)MHz: < -65 dB
POWER HANDLING: 1 Watt CW, Optional: 10 Watts 1 Microsec Pulse (-AL-)

ENVIRONMENTAL:
TEMPERATURE: -67 ° F TO +185 ° F [-55 ° C TO +85 ° C]
ALTITUDE: 70,000 ft.
VIBRATION: > 30 G's
LEAKAGE: HERMETICALLY SEALED

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

ACCEPTANCE TEST PROCEDURE ATP-GPS-L1L2-100

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED
4	-	MOUNTING SCREWS: 10-32, 3/4"	J507C1032R12, or 93085A831	5
A/R	-	WASHER, CUSTOM C'SINK	3G15A-XT-1-1-00	3
1	1	0-Ring, or GASKET	2-001/N756-75, or 3B15P1001-3G	1
-2	-1	DESCRIPTION	PART NO	NEW

UNLESS OTHERWISE SPECIFIED, DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS
1/64 .015625
1/32 .03125
3/64 .046875
1/16 .0625
1/8 .125
3/16 .1875
1/4 .25
5/16 .3125
3/8 .375
7/16 .4375
1/2 .5
9/16 .5625
5/8 .625
11/16 .6875
3/4 .75
7/8 .875
1 .9375
1 1/8 1.125
1 1/4 1.25
1 3/8 1.375
1 1/2 1.5
1 5/8 1.625
1 3/4 1.75
1 7/8 1.875
2 .9375

ANTCOM CORP. TORRANCE, CALIFORNIA
3.5" Dia.
ACTIVE GPS ANTENNA
(GPS ANTENNA -536/536-C)
D 3C V E 1 3 G 1 5 A - X T - 1 - N

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. MOUNTING SCREWS & ADHESIVE GASKET ARE SUPPLIED BY ANTCOM

SIZE | **FREQ BAND** | **LNA**
1: 2" SQ | 1215: L1/L2 | A: WITH 33 dB LNA, A2: WITH 20 dB LNA, A4: WITH 40 dB LNA
1.9: 1.9" SQ | 15: L1 ONLY | P: WITHOUT LNA
2: 2.6" DIA.
3: 3.5" DIA.
4: MINIRINC

CABLE LENGTH | **FEMALE CONNECTOR** | **COLOR**
X: NO CABLE | S: SMA; RS: R-SMA; P: PINS | -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
#: CABLE LENGTH (IN) | N: NB; N: N-Bulkhead | -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON | T: TB; TNC; TNC-Bulkhead | -4: LUSTERLESS BLACK #37038 PER FED-STD-595B

DO NOT SCALE DRAWING

SCALE 1/1 | SHEET 1 OF 1

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7/8 .875
1 .9375

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NMO Connector is Now Available for Some Antennas