



ISO 9001:2008/FAA Approved Facility

New **IRIDIUM/GPS/Inmarsat** or **Thuraya Antenna**
P/N: 2GNSS16R-P-MS-1 (Inmarsat/Iridium /GPS RHCP), P/N: 2GNSS16L-P-MS-1 (Thuraya LHCP)
2.6" Diameter, Flat, Magnetic Mount, Side Connector Configuration
3.5in Dia., Mini-Arinc, & Arinc-743 Versions are also available



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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

	Rx-Thuraya (LHCP), or Rx Inmarsat OmniStar, L6 Galileo, B1 Compass (RHCP)	L1 GPS, E1, E2 Galileo, L1 IRNSS (RHCP)	IRIDIUM, L1 GLONASS (RHCP) or Tx-Globalstar (LHCP)	Tx-Thuraya (LHCP) or Tx-Inmarsat (RHCP)
FREQUENCY:	(1542.5 ± 17.5) MHz	(1575 ± 17) MHz	(1609 -1626) MHz	(1642.5 ± 17.5) MHz
RADIATION PATTERN:	HEMISPHERICAL			
VSWR:	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1
IMPEDANCE:	50 ohms	50 ohms	50 ohms	50 ohms
ANTENNA GAIN (dBic):	Free Space	4 ft G.P.	Free Space	4 ft G.P.
@ 90 ° (ZENITH):	+2.5	+1.6	+3.7	-1.5
@ 10 ° Elevation:	-4.7	-2.4	-3.5	-3.5
@ 20 ° Elevation:	-3.8	+0.7	-2.6	-0.9
@ 30 ° Elevation:	-2.1	+2.3	-0.9	+0.3
@ 60 - 90 ° Elevation:	> +1.0	> +2.1	> +2.3	> 0
BEAM WIDTH (3dB):	90 Deg.	140 Deg.	85 Deg.	140 Deg.
AXIAL RATIO:				3 dB
LIGHTNING PROTECTION:	DC GROUNDING			

ELECTRICAL:

MECHANICAL:

SIZE: DIAMETER = 2.60 in. [66.04 mm]
 HEIGHT = 0.583 in. [14.81 mm]

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: SMA FEMALE
 (OPTION: TNC, 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 SEALED

FEDERAL & MILITARY SPECIFICATIONS:

FAA TSO-C144, DO-160D, DO-228, MIL-C-5441, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

SIZE:	POLARIZATION:	LNA:
1: 2" SQ	R: RHCP	A: WITH LNA
1.9: 1.9" SQ	L: LHCP	A: WITH LNA/LIMITER
2: 2.6" DIA.		P: WITHOUT LNA
3: 3.5" DIA.		
4: MINI ARINC		

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

ANTCOM CORP. TORRANCE, CALIFORNIA

2.6" Dia., Magnetic Mount
 THURAYA or IRIDIUM/GPS
 INMARSAT/GLONASS/ANTENNA

P/N: 2GNSS16X-P-MS-1

CABLE'S LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: 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
W: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 FRACTIONS: DECIMALS: ANGLES
 ± 1/64 .xxx .005 ± .1°

TOLERANCE 5M PER ANS Y14.5
 FINISH ALL SURFACES
 BEZEL: EXTERNAL EDGES .006 TO .016
 FILLS: 9.001 TO 9.002
 SCREW THREADS PER MIL-S-8879
 DATS ON A COMMON L. 27.005
 MACHINED SURFACES .002

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

2.6" Dia., Magnetic Mount
 THURAYA or IRIDIUM/GPS
 INMARSAT/GLONASS/ANTENNA

DATE: 12-17-09
 APPROVED: S. HUYNH
 CAD FILE NO.

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas