



# New 2-Ports, (RHCP-Inmarsat/Iridium/GPS) & (LHCP-Thuraya/Tx-Globalstar) Antenna

## 2.6in Dia. Magnetic Mount Configuration

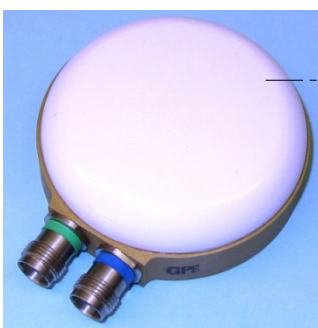

Also Available in Other Colors And Connectors

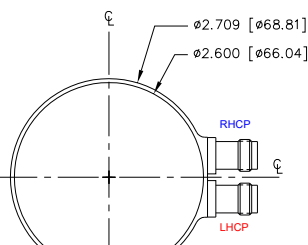
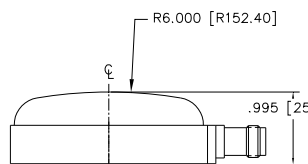
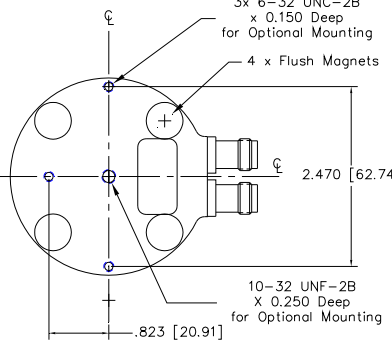


FAA Approved Facility

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

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### SPECIFICATIONS

**ELECTRICAL:**

	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)
<b>FREQUENCY:</b>	(1542.5 ± 17.5) MHz	(1575 ± 17) MHz	(1609 -1626) MHz	(1642.5 ± 17.5) MHz
<b>RADIATION PATTERN:</b>	HEMISPHERICAL			
<b>VSWR:</b>	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1
<b>IMPEDANCE:</b>	50 ohms	50 ohms	50 ohms	50 ohms
<b>ANTENNA GAIN (dBic):</b>	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
<b>BEAM WIDTH (3dB):</b>	90 Deg.	140 Deg.	85 Deg.	140 Deg.
<b>AXIAL RATIO:</b>	3 dB			
<b>LIGHTNING PROTECTION:</b>	DC GROUNDING			
<b>LNA OPTION:</b>	33 dB Gain			
<b>LNA NOISE FIGURE:</b>	3.0 dB			
<b>LNA P1dB Out:</b>	+13 dBm			
<b>LNA DC POWER:</b>	2.5V/20mA, 3V/29mA, 3.3V/35mA, (2.5-2.4)V/<50mA			
<b>REJECTION @ (-50/+50) MHz</b>	-40 dB / -40 dB			
@ (-100/+100) MHz	< -65 dB			
<b>POWER HANDLING:</b>	100 Watts CW (WITHOUT LNA) , 1 Watt CW (WITH LNA)			

**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, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

**ACCEPTANCE TEST PROCEDURE:** ATP-GPS-L1L2-100

**SIZE:**

1: 2" SQ	<b>FREQ. BAND AND POLARIZATION:</b>
1.9: 1.9" SQ	INT: Rx/Tx-Inmarsat/Iridium/L1 GPS & Rx/Tx-Thuraya
2: 2.6" DIA.	L1RX/L1TX: L1-GPS & Rx-Thuraya ; L1RX/L1TX: L1-GPS & Rx/Tx-Thuraya
3: 3.5" DIA.	L1RX/L1TX: L1-GPS/Rx Inmarsat & Tx-Thuraya ; L1TX: L1-GPS & Tx-Thuraya
4: MINI ARINC, 42: ARINC 743	L1GSM9: L1-GPS & GSM 902-928 ; L1GSM8: L1-GPS & GSM 824-894
	L1Wi-Fi: L1-GPS & 2.4-2.5 GHz Wi-Fi; L1PCS: L1-GPS & (1.70-1.99) GHz PCS
	L1WB: L1-GPS & (1.3 to CZ, L, S, C, and Ku-Band) (with 1.3in high Dome)
	Replace "L1" with "L1L2" for L1/L2 GPS Option

**CONNECTOR:**

SIZE: DIAMETER: 2.60 in. [ 66.04 mm]  
 HEIGHT: 0.995 in. [ 25 mm]

WEIGHT: 6.4 oz. (181 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
 BASE IRIDITE PER MIL-C-5541F

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

CONNECTOR: TNC FEMALE  
 (OPTION: SMA, BNC, F, MCX, MMCX)

**ENVIRONMENTAL:**

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 ALTITUDE: 70,000 ft.  
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**ACCEPTANCE TEST PROCEDURE:** ATP-GPS-L1L2-100

**P/N: 2GINT-PP-MNTT-1**

CABLE LENGTH:	CONNECTOR:	COLOR:
M: FLUSH MAGNET	S: SMA; B: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: BIG MAGNET	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
N: NO MAGNET, Side Connector	T: TNC; TB: TNC-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
#: CABLE LENGTH (IN)		-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
R: RIGHT ANGLE CON.		-5: TAN #F: FS 23446 or 33446, FED-STD-595B

QTY	DESCRIPTION	PART NO	FINISH	INSTR NO
1	ADHESIVE GASKET	Magnet-Cover-2	-	3
1				2
1				1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	FRACIONS	DECIMALS	ANGLES
± 1/64	± .001	± .005	± 1°

**ANTCOM CORP.** TORRANCE, CALIFORNIA

2.6" Dia. Magnetic Mount  
 RHCP & LHCP (GPS & Com)  
 ANTENNA

DATE: 30VE1  
 DRAWN BY: S. HUYNH  
 CHECKED BY: S. HUYNH  
 ENGINEER: Sgp-06-11

SCALE: 1/1

SHEET 1 OF 1

NMO Connector is Now Available for Some Antennas