GPS/RHCP-Inmarsat/Iridium Antennas, P/N: 2G1216P-NX-X or LHCP-Thuraya only Antennas, P/N: 2T1516P-NX-X

2.6" Diameter, Flat, Back or No Magnetic, Side Cable Connector Configurations

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

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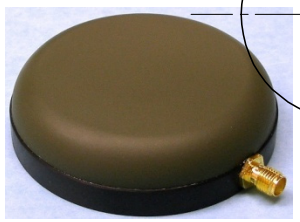

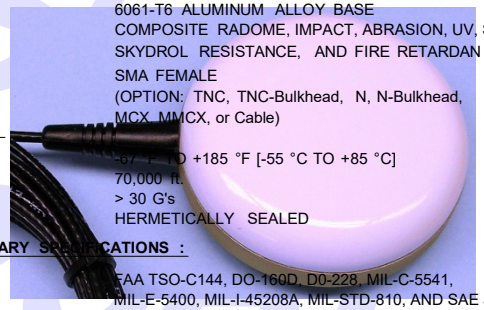

SPECIFICATIONS

ELECTRICAL:

	L1/L2 GPS				Rx/Tx INMARSAT/GLONASS/IRIDIUM		
FREQUENCY (MHz):	L1: (1575.42 ±12)		L2: (1227.60 ±12)		(1542.50 ±17.5)	(1642.50 ±17.5)	(1602-1626)
ANTENNA GAIN (dBic):	3.5" Dia. GP	4 ft G.P.	3.5" Dia. GP	4 ft G.P.	3.5" Dia. GP	Free Space	3.5" Dia. GP
@ 90 ° (ZENITH):	+ 5.5	+ 4.5	+ 3.3	+ 4.9	+ 3.1	+ 3.4	+ 4.3
@ 10 ° Elevation:	- 1.2	- 1.4	- 3.8	- 3.6	- 3.7	- 3.1	- 2.2
@ 20 ° Elevation:	+ 0.3	+ 1.4	- 2.0	- 0.1	- 2.0	- 1.1	- 0.6
@ 30 ° Elevation:	+ 1.8	+ 2.2	- 0.5	- 1.8	- 1.3	0.0	+ 0.8
@ 60 - 90 ° Elevation:	> 4.8	> 3.8	> 2.7	> 3.0	> 2.0	>+2.6	>+3.5
BEAM WIDTH (3dB):	106 Deg.	130 Deg.	106 Deg.	75 Deg.	106 Deg.	106 Deg.	106 Deg.
RADIATION PATTERN:	HEMISPHERICAL						
POLARIZATION:	RHCP						
VSWR:	< 1.5:1						
IMPEDANCE:	50 ohms						
AXIAL RATIO:	2 dB						
LIGHTNING PROTECTION:	DC GROUNDING						
POWER HANDLING:	200 Watts CW (WITHOUT LNA)						

MECHANICAL:

SIZE: DIAMETER: 2.60 in.[66.04 mm]
HEIGHT: 0.657 in. [16.69 mm], .49 9 in. [12.67mm] (No Radome op tion)

WEIGHT: 7.00 oz. [0.198 Kg], 4.00 oz. [0.113 Kg] (WITHOUT MAGNET)

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

MATERIA L: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDAN T

CONNECTOR: SMA FEMALE
(OPTION: TNC, 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 SEALED

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

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

ITEM NO	QUANTITY REQD	–2	–1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
5						–	–	–
3	1			ADHESIVE GASKET	12345G–3M–1G	–	–	–
2	1					–		
1	1					–	–	–

PARTS LIST

SIZE :	FREQ. BAND :	LNA :
1: 2" SQ.	1215: L1/L2	A: WITH LNA
1.9: 1.9" SQ.	15: L1 ONLY	AL: WITH LNA/LIMITTER
2: 2.6" DIA.	1216: L1/L2 &	P: WITHOUT LNA
3: 3.5" DIA.	RX/TX INMARSA T	
4: MINI ARINC	GLONASS/IRIDIUM	

P/N: 2G1216P-NS-3

CABLE'S LENGTH :	CONNECTOR :	COLOR :
X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG, N: No Magnet	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-Bulkhea d	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

2. ADHESIVE GASKET IS SUPPLIED BY ANTCON CORPORATION
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES. TOLERANCES ARE: FRACTIONS ± 1/64, DECIMALS .XX± .010, .XXX± .005, ANGLES ± 1°. TOLERANCE SYM PER ANSI Y14.5. REMOVE ALL BURRS. BREAK EXTERNAL EDGES .005 TO .015. FILLETS R .005 TO R .030. SCREW THREADS PER MIL-S-8879. DIA'S ON A COMMON Ø .005. MACHINED SURFACES 125. DO NOT SCALE DRAWING.

DRAWN
CHECKED M. BOAS OCT–30–03
ENGINEER
APPROVED S. HUYNH OCT–30–03
END ITEM NO

ANTCOM CORP. TORRANCE, CALIFORNIA

2.6" Dia. Shoulder Mount, L1/L2 GPS/INMARSAT/ GLONASS/IRIDIUM ANTENNA

SIZE D | CAGE NO 3CVE1 | DRAWING NO 2G1216P–NS–3 | REV –

SCALE 1/1 SHEET 1 OF 1

ZONE	REV	DESCRIPTION	DATE	APPROVED

NMO Connector Option is Now Available for Some Antennas