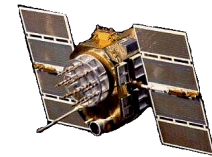




Combined Inmarsat & L1/L2 GPS Antennas, P/N: 2G1216P-NS-3

2.6" Diameter, Shoulder Mount Configurations

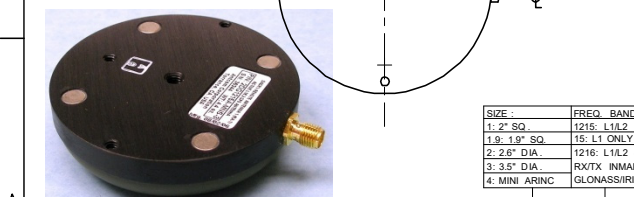
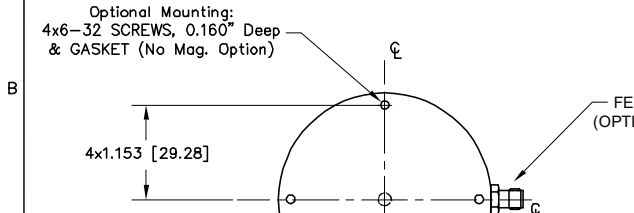
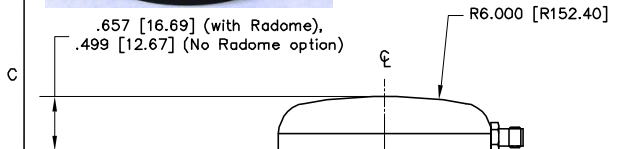
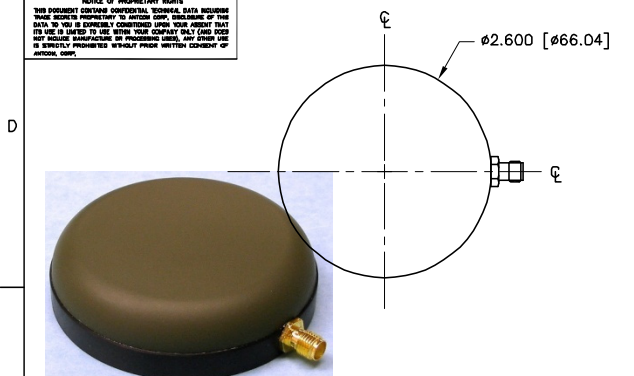


ISO 9001:2008/FAA Approved Facility

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>

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	L1/L2 GPS		Rx/Tx INMARSAT/GLONASS/IRIDIUM		
	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 +5.5	4 ft G.P. +4.5	3.5" Dia. GP +3.5	4 ft G.P. +4.9	3.5" Dia. GP +4.3
@ 90 ° (ZENITH):	+5.5	+4.5	+3.5	+4.9	+4.3
@ 10 ° Elevation:	-1.2	-1.4	-3.8	-3.6	-2.2
@ 20 ° Elevation:	+0.3	+1.4	-2.0	-0.1	-0.6
@ 30 ° Elevation:	+1.8	+2.2	-0.5	-1.8	+0.8
@ 60 - 90 ° Elevation:	> 4.8	> 3.8	> 2.7	> 3.0	> +3.5
BEAM WIDTH (3dB):	106 Deg.	130 Deg.	106 Deg.	75 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], .499 in. [12.67mm] (No Radome op tion)

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

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 T

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

ENVIRONMENTAL:

TEMPERATURE: -55 °C TO +85 °C [-65 °F TO +185 °F]

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

- ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION
 - DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- NOTES: UNLESS OTHERWISE SPECIFIED:

SIZE :	FREQ. BAND :	LNA :
1: 2" SQ	1215: L1/L2	A: WITH LNA
1.9-1.9" SQ	15: L1 ONLY	AL: WITH LNA/LIMITER
2: 2.6" DIA	1215: L1/L2 &	P: WITHOUT LNA
3: 3.5" DIA	RX/TX INMARSAT	PL: WITHOUT LNA AND THINNER (0.58" THICK)
4: MINI ARINC	GLONASS/IRIDIUM	

P/N: 2G1216P-NS-3

CABLES 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-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

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

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 ± .015 ± .1° ± 1'

TOLERANCE SVW PER ASG V14.5
BREAK INTERNAL EDGES .005 TO .015
CHECK & COS PER ASG V14.5
DATE ON A COS PER ASG V14.5
MATERIAL SURFACE

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

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

D3CVE1 2G1216P-NS-3

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas