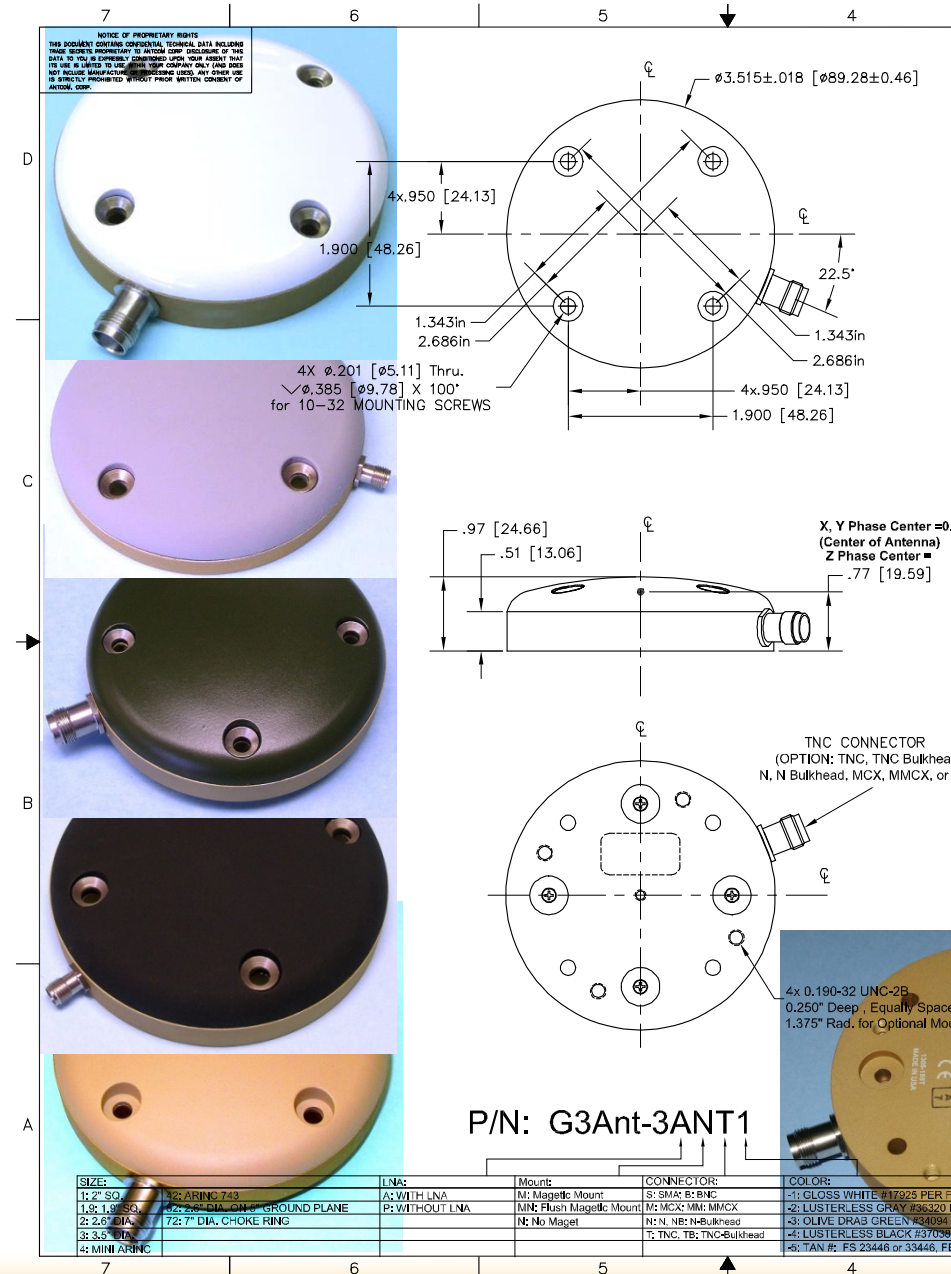


ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: [antennas@antcom.com](mailto:antennas@antcom.com) . <http://www.antcom.com>

“-HF” for High Iridium/Inmarsat/Thuraya-Rejection Front End Filter Option: [-22dB@1616MHz](mailto:-22dB@1616MHz), [-34dB@\(1625-1660\)MHz](mailto:-34dB@(1625-1660)MHz),  
“-HFO” for Additional Omnistar Rejection: [-27dB@1545MHz](mailto:-27dB@1545MHz)



SPECIFICATIONS		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	
		ECO# 0019, RELEASE	Mar-24-09	S. HUYNH	

ELECTRICAL:	OmniSTAR / L-Band L6 Galileo B1 Compass	L1 GPS E1, E2 Galileo L1 IRNSS	L1 GLONASS	
	FREQUENCY:	1542.50 ± 14.0 MHz 1542.50 ± 5.0 MHz 1561.098 ± 10 MHz	1575.42 ± 15.0 MHz 1575.42 ± 17.0 MHz 1575.42 ± 12.0 MHz	1609 ± 7.0 MHz
RADIATION PATTERN:	HEMISPHERICAL			
POLARIZATION:	RHCP	RHCP	RHCP	
VSWR:	< 2.0:1	< 2.0:1	< 2.0:1	
IMPEDANCE:	50 ohms	50 ohms	50 ohms	
ANTENNA GAIN (dBi):	Free Space 4 ft G.P.	Free Space 4 ft G.P.	Free Space 4 ft G.P.	Free Space 4 ft G.P.
@ 90° (ZENITH):	+ 2.1	+ 2.0	+ 4.0	+ 2.0
@ 10° Elevation:	- 4.7	- 5.1	- 2.7	- 2.5
@ 20° Elevation:	- 3.5	- 1.9	- 1.7	+ 0.4
@ 30° Elevation:	- 2.5	- 0.5	- 0.5	+ 1.6
@ 60° - 90° Elevation:	> +1.1	> -0.5	> +2.9	> +1.6
BEAM WIDTH (3dB):	95 Deg.	145 Deg.	95 Deg.	95 Deg.
AXIAL RATIO:	1 dB	2 dB	1 dB	2 dB
LIGHTNING PROTECTION:	DC GROUNDING			
LNA GAIN:	33 dB	33 dB	33 dB	
LNA NOISE FIGURE:	3.0 dB	3.0 dB	3.0 dB	
LNA P1dB Out:	+13 dBm	+13 dBm	+13 dBm	
LNA DC POWER:	2.5V/20mA, 3V/29mA, 3.3V/35mA, (2.5-24)V/(<50mA			
POWER HANDLING:	1 Watt CW, Optional: 10 Watts 1 Microsec Pulse (-AL-)			

MECHANICAL:	
SIZE:	DIAMETER: 3.515 In. [ 89.28 mm] HEIGHT: 0.97 In. [24.66 mm] 9.7 oz. (275 g)
WEIGHT:	
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F CLASS 1A GLOSS WHITE #17925 PER FED-STD-595B
COLOR:	6061-T6 ALUMINUM ALLOY BASE
MATERIAL:	COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT
CONNECTOR:	TNC FEMALE (OPTION: SMA, BNC, TNC Bulkhead, N, N Bulkhead, MCX, MMCX)

ENVIRONMENTAL:	
TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C] (Operational) -85 °F TO +302 °F [-65 °C TO +150 °C] (Storage)
ALTITUDE:	70,000 ft.
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEAL
HAILSTONES:	< 0.5" Dia.

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

QUANTITY REQD	DESCRIPTION	PART NO
4	10-32 Screw, 1.25" L	93085A835, Item 579GN
4	Washer, Custom C'Sink	3G15P1001-70, Item 519
1	Adhesive Rubber Cover	Magnet-Cover-3i, Item 541G3i

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS ANGLES	ANTCOM CORP. TORRANCE CALIFORNIA
FRACTIONS SHALL BE 1/64	DESIGNED BY S. HUYNH Mar-24-09
TOLERANCE UNLESS OTHERWISE SPECIFIED SHALL BE ± .015	DESIGNED BY S. HUYNH Mar-24-09
PLACES 1 & 2 TO BE DIMENSIONED PER MIL-C-8879	UPDATED BY S. HUYNH Aug-13-14
MACHINED SURFACES ONLY	UPDATE DRAWN BY P. TRAN Aug-13-14
DO NOT SCALE DRAWING	APPROVED BY S. HUYNH Aug-13-14

DATE	DESCRIPTION	BY
13/08/2014	D13CVE11	S. HUYNH

SCALE	SHEET
1/1	1 OF 1

NMO Connector Option is Now Available for Some Antennas