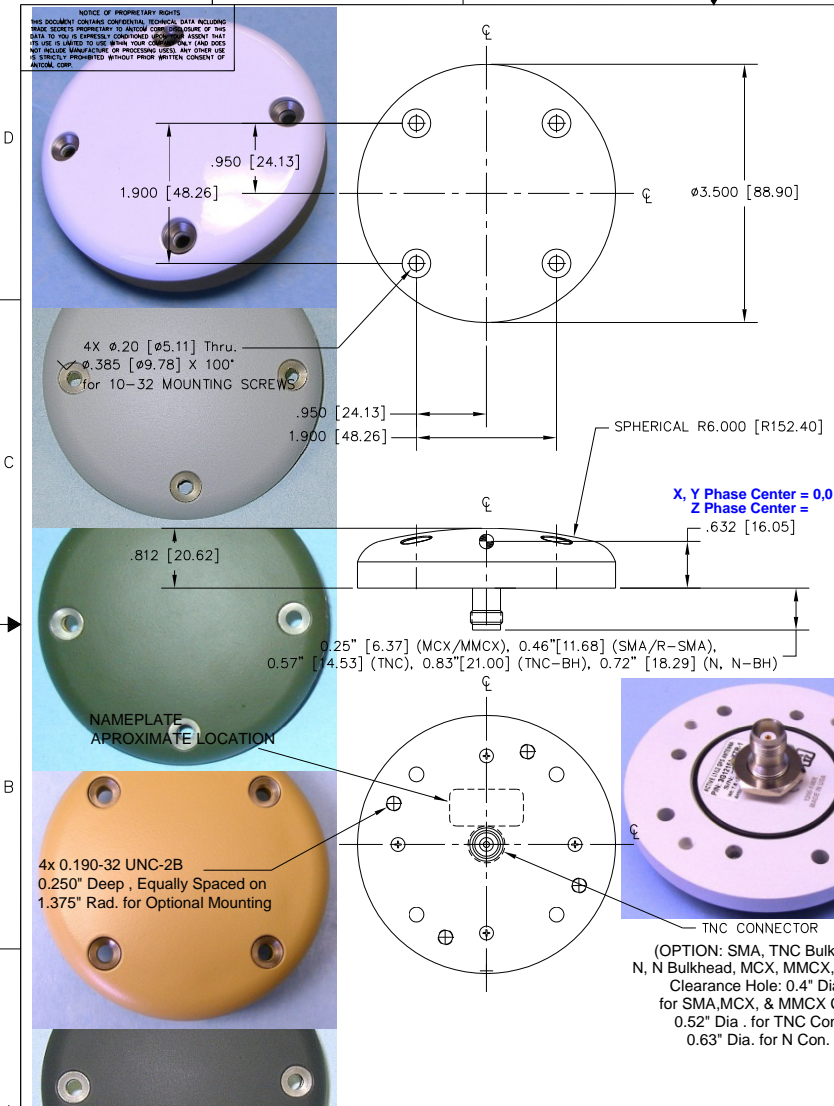


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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	REVISIONS				
	ZONE	REV	DESCRIPTION	DATE	APPROVED
(1525 - 1560)					
ANTENNA GAIN (dBic):	Free Space	Free Space	4 ft G.P.	Free Space	
@ 90° (ZENITH):	> +2.5	+5.5	+4.5	> +3.3	
@ 10° Elevation:	> -4.7	-1.2	-1.4	> -3.2	
@ 20° Elevation:	> -3.0	+0.3	+1.4	> -1.6	
@ 30° Elevation:	> -2.3	+1.8	+2.2	> -0.2	
@ 60 - 90° Elevation:	> +2.0	> 4.8	> 3.8	> +2.5	
BEAM WIDTH (3dB):	106 Deg.	106 Deg.	130 Deg.	106 Deg.	
RADIATION PATTERN:	HEMISPHERICAL				
POLARIZATION:	RHCP				
VSWR:	2.0:1				
IMPEDANCE:	50 ohms				
AXIAL RATIO:	3 dB				
LIGHTNING PROTECTION:	DC GROUNDING				
LNA OPTION:					
LNA GAIN:	40 dB (-A4), 20 dB (-A2), 35 dB (-A-)				
LNA NOISE FIGURE:	3.0 dB				
LNA P1dB Out:	+13 dBm				
LNA DC POWER:	(2.5-24)Volts @ < 39 mA				
POWER HANDLING:	200 Watts CW (WITHOUT LNA) , 1 Watt CW (WITH LNA)				

MECHANICAL:

SIZE: DIAMETER: 3.50 in. [88.90 mm]
HEIGHT: 0.812 in. [20.62 mm]
WEIGHT: 8.0 oz. (226.8 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: TNC FEMALE
(OPTION: SMA, 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 SEAL

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-145208A, MIL-STD-810, AND SAE J1455
ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

QUANTITY REQD	DESCRIPTION	PART NO	ITEM NO
4	MOUNTING SCREWS: 10-32, 3/4"	J507C1032R12, or 93085A831	5
A/R	WASHER, CUSTOM C'SINK	3G15P1001-70	3
1	GASKET	3G15P1001-3G	1
-2	-1		

SIZE:	FREQ BAND:	LNA:	CABLE LENGTH:	CONNECTOR:	COLOR:
1: 2" SQ	42: ARINC 743	GO1216: L1/L2 GPS/GNSS/L-Band	A2: WITH 20 dB LNA	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ	5: 5" CIRCULAR	GO1215: L1/L2 GPS/L-Band	A4: WITH 40 dB LNA	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6" DIA	GO116: L1 GPS/GNSS/L-Band	P: WITHOUT LNA	#: CABLE LENGTH (IN)	N, NB: N, N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA	G1215, L1/L2	R: RIGHT ANGLE CON.	T: TB; TNC; Bulkhead	T: TB; TNC; Bulkhead	-4: LUSTERLESS BLACK #37036 PER FED-STD-595B
4: MINI ARINC	GO1116: L1/L2/L3/L5/L6 GPS/GNSS/Galileo				

P/N: 3GO16A4-XTR-1

ANTCOM CORP. TORRANCE CALIFORNIA

Active /Glonass/L-Band ANTENNA

REV: 3
DATE: June-28-13
DRAWN BY: M. DEEP
CHECKED BY: S. HUYNH
APPROVED BY: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1