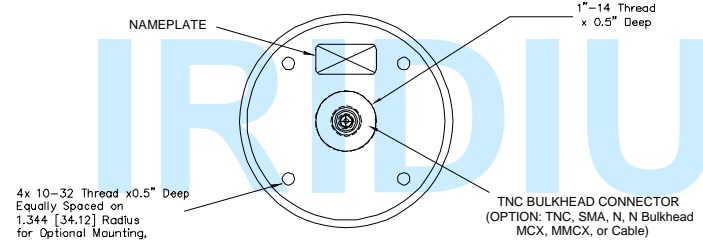
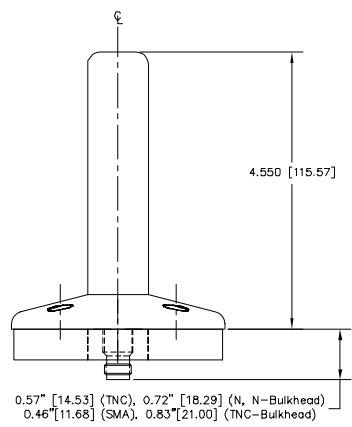
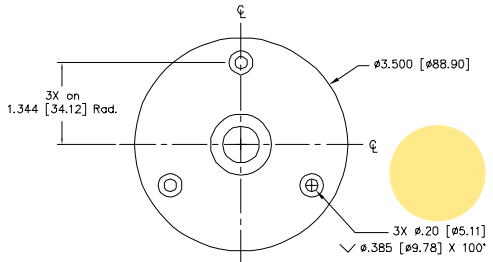


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4x 10-32 Thread x 0.5\"/>

CONFIGURATION:	POLARIZATION:	LNA:	CABLE'S LENGTH :	CONNECTOR :	COLOR :
1: 2\"/>	LL: TX: LHCP, RX: LHCP	A1: WITH +34 dB LNA	M14: 1-14\"/>	S: SMA, P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9\"/>	LR: TX: LHCP, RX: RHCP	X: NO. CABLE	M: MCX, MM: MMCX	N: N, NB: N-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6\"/>	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	M: WITH MAG. MOUNT T	N: N, NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5\"/>	RR: TX: RHCP, RX: RHCP		#: CABLE LENGTH (IN)	T: TNC, TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)			R: RIGHT ANGLE CON.		
53: (HELIX ROD)					
5B: (HELIX BLADE)					
5D: (HELIX HANDHELD)					

Beam RST910 Helix Mast Mount Antenna

NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	(1575.42±15)	(1542.50±17.5)	(1642.50±17.5)	(1602-1616)	(1610-1626)	(1227.60±15)
GAIN (dBic) in FS/4ft GP	L1 GPS	Rx INMARSAT	Tx INMARSAT	GLONASS	IRIDIUM	L2 GPS
@ 90° (Zenith):	+1.1/+3.7	+0.7/+1.5	-0.3/0.0	+0.5/+2.9	+0.1/+1.1	-5.0
@ 10° Elevation:	-0.9/+0.0	-1.6/-1.3	-1.9/-1.0	-1.3/+0.2	-1.6/-0.8	-6.5 to -11.5
@ 20° Elevation:	-0.2/+2.0	-0.8/+1.0	-1.1/+1.2	-0.5/+2.4	-0.8/+1.2	-6.2 to -9.2
@ 30° Elevation:	+0.3/+2.0	-0.2/+1.0	-0.8/+0.4	+0.1/+2.1	-0.7/+1.1	-5.7 to -7.7
@ 45° Elevation:	+0.6/+1.5	+0.3/+0.6	-0.7/-0.8	-0.1/+1.0	-0.3/-0.3	-4.6 to -6.0
@ 70° Elevation:	+0.3/+1.3	+0.3/+0.4	-1.6/0.0	-0.3/+1.1	-0.7/0.0	-4.0
BEAM WIDTH (3dB)	173/155 Deg.	173/155 Deg.	180/162 Deg.	180/162 Deg.	180/162 Deg.	(107 to 170) Deg.
RADIATION PATTERN:	1 to 3	1 to 3	1 to 3	1 to 3	1 to 3	1 to 5
POLARIZATION:	RHCP					
VSWR:	< 1.5:1					
DC GROUNDING	YES (LIGHTNING PROTECTION)					

MECHANICAL:

SIZE: DIAMETER = 3.50 in. [88.90 mm]
 HEIGHT = 4.690 in. [119.13 mm]

WEIGHT: 11 oz. (314 g)

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

COLOR: GLOSS WHITE #17925 PER FED-STD-595B
 LUSTERLESS GRAY #36320 PER FED-STD-595B
 OLIVE DRAB GREEN #34031 PER FED-STD-595B
 LUSTERLESS BLACK #37038 PER FED-STD-595B

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

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

MOUNTING: FLAT, OR FIXED PIPE (3/4\"/>

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

QTY	DESCRIPTION	PART NO	FINISH	ITEM NO
4	MOUNTING SCREW: (10-32, 1\"/>	MS24693C276	-	5
1				4
1	ADHESIVE GASKET	12345G-3M-3G	-	3
1	VERTICAL/HORIZONTAL ANTENNA MOUNT	MTR-2	-	2
1	OPTIONAL VERTICAL ANTENNA MOUNT	MTR-1	-	1
-1	DESCRIPTION	PART NO	FINISH	ITEM NO

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES UNLESS INDICATED OTHERWISE ANGLES ± 1/64 DECIMALS ± 1°	DRAWN
TOLERANCE 5/16 PER ANSI Y14.5	CHECKED
BEFORE ALL DIMENSIONS	ENGINEER
BREAK EXTERNAL EDGES .005 TO .015	APPROVED
FILLET'S .005 TO .015	S. HUYNH
SOBOW THREADS PER MIL-S-8879	DEC-03-03
SA'S ON A COMMON SIZING	SCALE 1/1
MACHINED SURFACES	DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

1-14 PIPE MOUNT,
 IRIDIUM/GPS/GLONASS/
 INMARSAT HELIX ANTENNA

REV D 3C0E1 S53R16RR-P-M14TB-X

SCALE 1/1 SHEET 1 OF 1