



FAA Approved Facility

New 2-Port Rx/Tx-Thuraya & Iridium Antenna,

P/N: 2GRxTxTIR-PP-24SS-1

2.6" Diameter, Flat, Back Mount, Bottom Cables Configuration
3.5in. Dia. Mini-Arinc & Arinc-743 Versions Also Available

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>


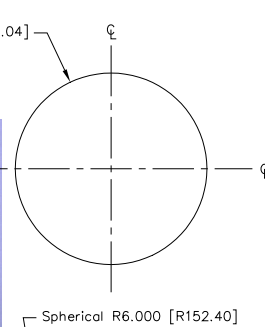
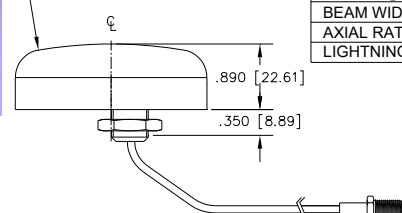
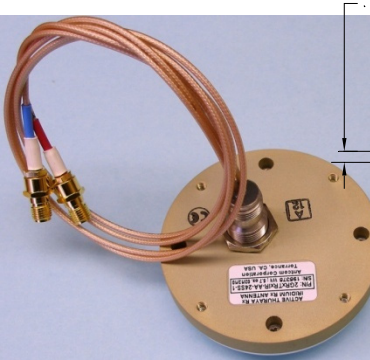
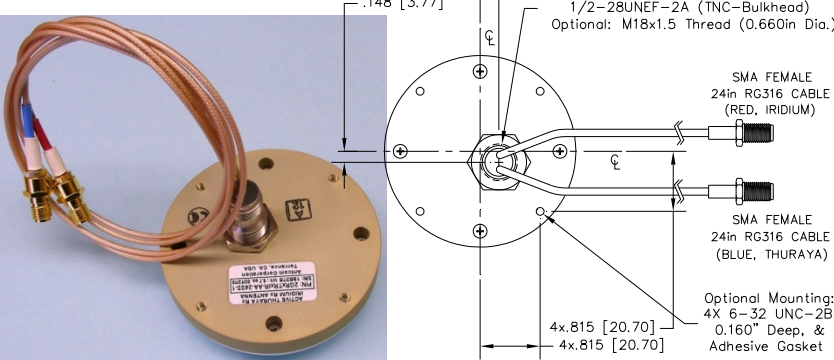


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SPECIFICATIONS

		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	

ELECTRICAL:

	Rx-Thuraya (LHCP), or Rx Inmarsat OmniStar, L6 Galileo, B1 Compass (RHCP)	L1 GPS, E1, E2 Galileo, L1 IRNSS (RHCP)	IRIDIUM, L1 GLONASS (RHCP) or Tx-Globalstar (LHCP)	Tx-Thuraya (LHCP) or Tx-Inmarsat (RHCP)
FREQUENCY:	(1542.5 ± 17.5) MHz	(1575 ± 17) MHz	(1609 -1626) MHz	(1642.5 ± 17.5) MHz
RADIATION PATTERN:	HEMISPHERICAL			
VSWR:	< 2.0:1	< 2.0:1	< 2.0:1	< 2.0:1
IMPEDANCE:	50 ohms			
ANTENNA GAIN (dBic):	Free Space	4 ft G.P.	Free Space	4 ft G.P.
@ 90 ° (ZENITH):	+ 2.5	+ 1.6	+ 3.0	+ 0.5
@ 10 ° Elevation:	- 4.7	- 2.4	- 3.5	- 3.3
@ 20 ° Elevation:	- 3.8	+ 0.7	- 2.6	- 0.9
@ 30 ° Elevation:	- 2.1	+ 2.3	- 0.9	+ 0.3
@ 60 - 90 ° Elevation:	> + 1.0	> + 2.1	> + 2.3	> 0
BEAM WIDTH (3dB):	90 Deg.	140 Deg.	85 Deg.	140 Deg.
AXIAL RATIO:	3 dB			
LIGHTNING PROTECTION:	DC GROUNDING			

MECHANICAL:

SIZE: DIAMETER: 2.600 in. [66 mm]
HEIGHT: 0.890in. [23 mm]

WEIGHT: 5.7oz. (162g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5541F

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

CONNECTOR: SMA FEMALES ON 24in RG316 CABLES
(OPTION: TNC, TNC Bulkhead, N, N Bulkhead,
MCX, MMCX, SSMA, SMB, SSMB, SMC, SSMC, SMP)

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:

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

SIZE: 1" 2" SQ. 1.9" 1.9" SQ. 2" 2" DIA. 3" 3.5" DIA. 4" MINI ARINC, 42" ARINC 743

FREQ. BAND AND POLARIZATION: RxTxTIR: Rx-Thuraya & Rx-Iridium/L1-GPS L1RxT: L1-GPS & Rx-Thuraya, L1RxIR: L1-GPS & Rx-Iridium L1RxTxT: L1-GPS & RxTx-Thuraya; L1L2RxTxT: L1L2-GPS & RxTx-Thuraya L1RxTxIR: L1-GPS & RxTx-Iridium; L1L2RxTxIR: L1L2-GPS & RxTx-Iridium RxTxTIR: RxTx-Thuraya & Iridium

LNA: A: WITH LNA P: WITHOUT LNA

QUANTITY REQD	DESCRIPTION	PART NO	REV
1	ADHESIVE GASKET	12345G-3M-2G	2
1			1

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2. MOUNTING SCREWS & ADHESIVE GASKET ARE SUPPLIED BY ANTCOM

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	Connector:	COLOR:
X: NO CABLE	S: SMA, B: BNC	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG, N: No. Mag	M: MCX, MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: N, NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TNC, TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
FRACTIONS: TOLERANCES AND ANGLES
± 1/64 DECIMALS ± .010 ANGLES ± 1°

TOLERANCE 5M PER AMS 1145
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLET'S .005 TO .010
SCREW HEADS PER MIL-C-8879
DATE ON A COMMON 1/24/2009
MACHINED SURFACES
DO NOT SCALE DRAWING

ORIGINAL DRAWN	S. HUYNH Mar-02-10
ORIGINAL DESIGNED	S. HUYNH Mar-02-10
REMOVE ALL BURRS	S. HUYNH Oct-26-12
UPDATE DRAWING	P. TRAYN Oct-26-12
APPROVED	S. HUYNH Oct-26-12

ANTCOM CORP. TORRANCE CALIFORNIA

2.6" Dia., Bottom Cable/Connector
RxTx-Thuraya & Iridium Antenna

REV	DATE	DESCRIPTION
1	10/26/12	2GRxTxTIR-PP-24SS-1

SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas