



New High Gain Array Antenna

P/N: 9X9A-TL-P-XT-1 (Thuraya); P/N: 9X9A-INR-P-XT-1 (Inmarsat/Iridium)
 P/N: 9X9A-1.6-1.9V-P-XT-1 (1.6 - 1.9 GHz); P/N: 9X9A-2.2-2.3V-P-XT-1 (2.2 - 2.3 GHz)
 P/N: 9X9A-2.2-2.4V-P-XT-1 (2.2 - 2.4 GHz); P/N: 9X9A-2.2-2.5V-P-XT-1 (2.2 - 2.5 GHz)
 P/N: 9X9A-2.4-2.5V-P-XT-1 (2.4 - 2.5 GHz); P/N: 9X9A-LSV-P-XT-1 ((1.625 - 1.85)/(2.2 - 2.4) GHz)



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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

NOTICE OF PROPRIETARY RIGHTS
 THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL INFORMATION. THESE RIGHTS ARE RESERVED BY ANTCOM CORPORATION. REPRODUCTION OR TRANSMISSION OF THIS DOCUMENT IS PROHIBITED WITHOUT THE WRITTEN PERMISSION OF ANTCOM CORPORATION. THIS DOCUMENT IS THE PROPERTY OF ANTCOM CORPORATION. IT IS TO BE USED ONLY FOR THE PURPOSES SPECIFIED HEREIN. IT IS NOT TO BE REPRODUCED, COPIED, OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM. ANY UNAUTHORIZED USE OF THIS DOCUMENT IS STRICTLY PROHIBITED WITHOUT THE WRITTEN PERMISSION OF ANTCOM CORPORATION.

SPECIFICATIONS

ELECTRICAL:
 FREQUENCY: (X.XX - X.XX) GHz - See Below Table for P/N
 PATTERN: DIRECTIONAL
 POLARIZATION: RHCP, LHCP, or LINEAR - See Below Table for P/N
 ANTENNA GAIN: 12 dB
 BEAM WIDTH (deg): 48 Deg.
 VSWR: 2.0:1
 OUTPUT IMPEDANCE: 50 ohms
 POWER HANDLING: 100 watts
 DC GROUNDING: YES

LNA OPTION (For Rx Only):
 LNA GAIN: 33 dB (P1dBout = +13 dBm)
 LNA NOISE FIGURE: 2.2 dB
 LNA VOLTAGE: (+2.5 to +24) Volts DC
 LNA DRAWING CURRENT: < 30 mA

MECHANICAL:
 SIZE: 9.39 In x 9.39 In x 0.56 In
 WEIGHT: 10.8 oz. (306 g)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BLACK ANODIZED
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
 CONNECTOR: TNC FEMALE (OPTION: SMA, QMA, SMB, N)

ENVIRONMENTAL:
 TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]
 ALTITUDE: 30,000 ft.
 VIBRATION: > 20 G's
 LEAKAGE: HERMETICALLY SEALED

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

Dimensions: R.995 [R25.27], 9.395 [238.63] SQ., .560 [14.22], 8X ø.156 [ø3.96] THRU (Bottom or Side Mounting Holes can be Customized), 4X 3.265 [82.93], 3.543 [90.00], 2.756 [70.00], 4X 1/4-20 UNC STUD (-DT OPTION), 4X 3.573 [90.75], 8X 2.729 [69.30]

TNC FEMALE CONNECTOR (Option: SMA, QMA, SMB, N) (Connector Location can be Customized)

ZONE	REV	DESCRIPTION	DATE	APPROVED
1				
2				
3				

QUANTITY	DESCRIPTION	PART NO	FINISH	ITEM NO
1				3
1				2
1				1

FREQUENCY BAND:	S/C-BAND POL.	LNA:	CONNECTOR:	COLOR:
T: Rx/Tx Thuraya	V: VERTICAL	A: ACTIVE	S: SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
IN: Rx/Tx Inmarsat/Iridium	R: RHCP	P: PASSIVE	Q: QMA	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
1.6-1.9: (1.6 - 1.9) GHz	L: LHVP		SMB: SMB	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
2.2-2.3: (2.2 - 2.3) GHz			T: TNC	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
2.2-2.4: (2.2 - 2.4) GHz			N: N	-5: TAN #33446 PER FED-STD-595B
2.4-2.5: (2.4 - 2.5) GHz				
2.2-2.5: (2.2 - 2.5) GHz				
LS: (1.625 - 1.85)/(2.2 - 2.4) GHz				
XX-Y.Y: (X.XX - Y.YY) GHz				

9X9A-X.X-Y.YV-P-XT-5

ANTCOM CORP. TORRANCE, CALIFORNIA
Rx/Tx- Thuraya or Inmarsat/Iridium Antenna

DESIGNED BY: S. HUYNH, Mar-12-12
 ORIGINAL DESIGNED: S. HUYNH, Mar-12-12
 UPDATED: S. HUYNH, Mar-10-14
 UPDATED: F. TRAN, Mar-10-14
 APPROVED: S. HUYNH, Mar-10-14

SCALE: 1/1 SHEET: 1 OF 1

NMO Connector Option is Now Available for Some Antennas