



FAA Approved Facility

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



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>

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

### 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

ZONE	REV	DESCRIPTION	DATE	APPROVED
1				
2				
3				

  

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

  

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		FRACTIONS TO DECIMALS		ANGLES	
± 1/64	± .002	± .002	± .002	± 1'	± .1°
TOLERANCE SYM PER ANSI Y14.5					
REMOVE ALL SHARP EDGES PER MIL-STD-883C-2010					
DRILL & TAP TO 1/8" DIA					
SCREW HEADS PER MIL-C-8878					
DIA'S ON A COLUMN & 2.0 DIA					
MACHINED SURFACES 12.5					

  

ANTCOM CORP.		TORRANCE, CALIFORNIA	
DESIGNED BY	S. HUYNH	DATE	Mar-12-12
ORIGINALLY DESIGNED	S. HUYNH	DATE	Mar-12-12
UPDATED	S. HUYNH	DATE	Mar-10-14
UPDATE DRAWN	F. TRAN	DATE	Mar-10-14
APPROVED	S. HUYNH	DATE	Mar-10-14

  

REV	DATE	DESCRIPTION	BY	CHKD
D	3CVE1	9X9A-X.X-Y.YV-P-XT-5		

  

SCALE	1/1	SHEET	1 OF 1
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NMO Connector is Now Available for Some Antennas