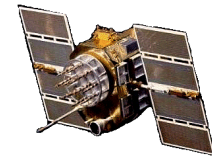




RHCP-Inmarsat Antenna Array, P/N: 9x18A-1.6R-P-XS-1 or LHCP-Thuraya Antenna Array, P/N: 9x18A-1.6L-P-XS-1, (9 x 18 x 0.6)in, Flat Panel, Back Mount Configurations

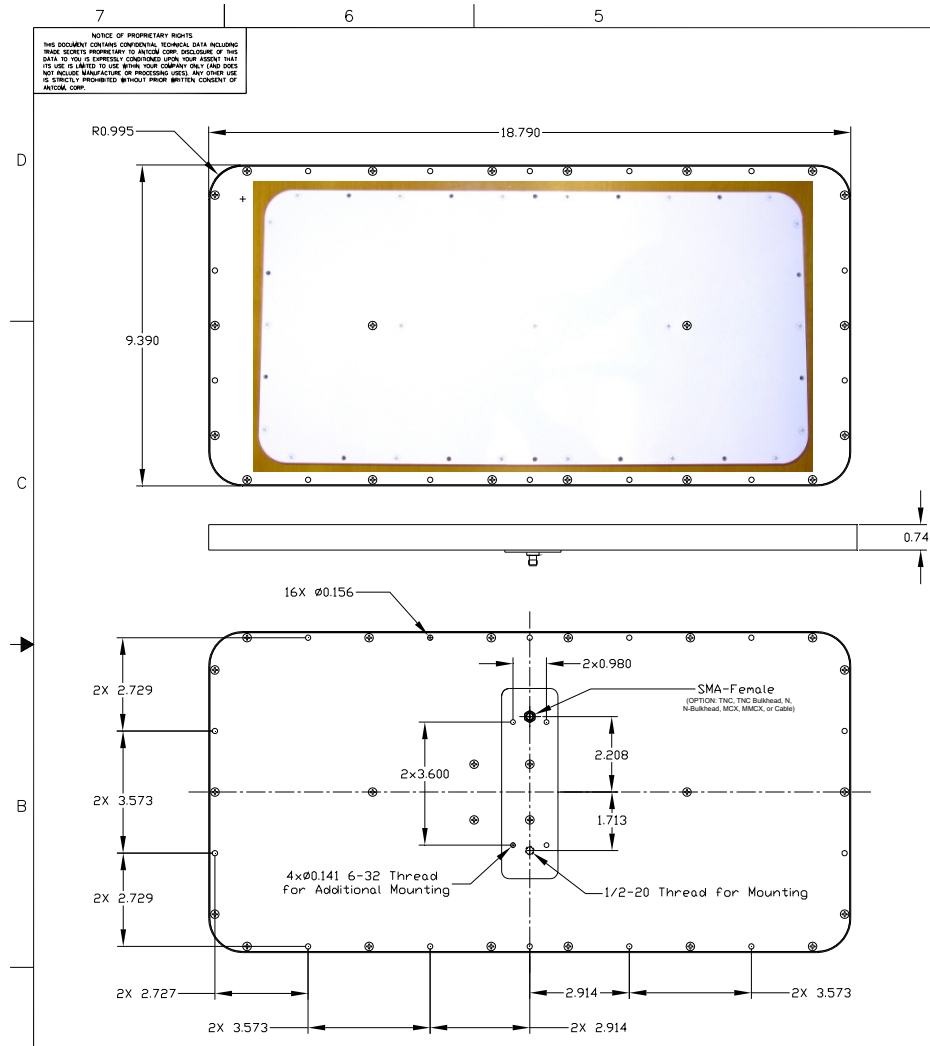


ISO 9001:2008/FAA Approved Facility

Antenna Mounts: <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 . <http://www.antcom.com>

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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:
 L-BAND
 FREQUENCY: (1.5250 -1.6605) GHz
 PATTERN: DIRECTIONAL
 POLARIZATION: LHCP
 ANTENNA GAIN : >15 dBic
 BEAM WIDTH (deg): 35
 VSWR: 1.5:1
 OUTPUT IMPEDANCE: 50 ohms
 POWER HANDLING: 100 watts
 DC GROUNDING: YES

AUTO TRACK OPTION:
 TRACKING: 360 Deg Azimuth @ (0.04 to 0.9) Deg/Sec
 TRACKING MODE: Sum/Different Mode, or Beacon Signal Level: >100 mV Demodulated DC
 ACQUISITION TIME: <35 sec @ (10 deg/sec)
 DC POWER SUPPLY: +24 Vdc/3 Amp.

MECHANICAL:
 SIZE: 9.6in x 18.9in x 0.75in
 WEIGHT: 1.35 lb (612 grams)
 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: SMA FEMALE CONNECTING TO 10m COMBINER SMB CABLE (OPTION: SMB, SMA, N, MCX, MMCX OR CABLES)

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

SIZE:	NUMBER OF ELEMENT	FREQUENCY BAND:	S/C-BAND POL:	CONNECTOR:	COLOR:
9X18: 9X18in		1516: 1525 to 1660 MHz	V: VERTICAL R: RHCP L: LHCP	S: SMA; P: PINS M: MCX; MM: MMCX N: N; NB: N-Bulkhead T: TNC; TB: TNC- Bulkhead	X: WITHOUT RADOME -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B -4: LUSTERLESS BLACK #37038 PER FED-STD-595B -5: TAN #: FS 23446 or 33446, FED-STD-595

9X18A-1516L-P-XS-1

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

QUANTITY	DESCRIPTION	PART NO	FINISH	TEMP
1	OPTIONAL XIT RF CABLE	SMA-M-LRM200-XIT-SMB-M		3
1	1/3-20 ANTENNA MOUNT	HGX-PMTO3		1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DIMENSIONS ARE IN INCHES	TORRANCE CALIFORNIA
FRACTIONS SHALL BE IN 16ths	
± 1/64 DECIMALS ± 0.005	
± 0.002 ± 0.010	
TOLERANCE 5/16 PER ANSI Y14.5	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES .005 TO .015	
FILED IN .005 TO .015	
ALL DIMENSIONS PER UNLESS OTHERWISE SPECIFIED	
DATE ON A COMMON SENSE	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

APPROVED	DATE	SCALE	SHEET
S. HUYNH June-08-08		1/1	1 OF 1

NMO Connector Option is Now Available for Some Antennas