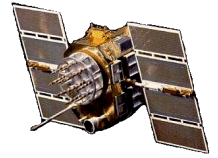




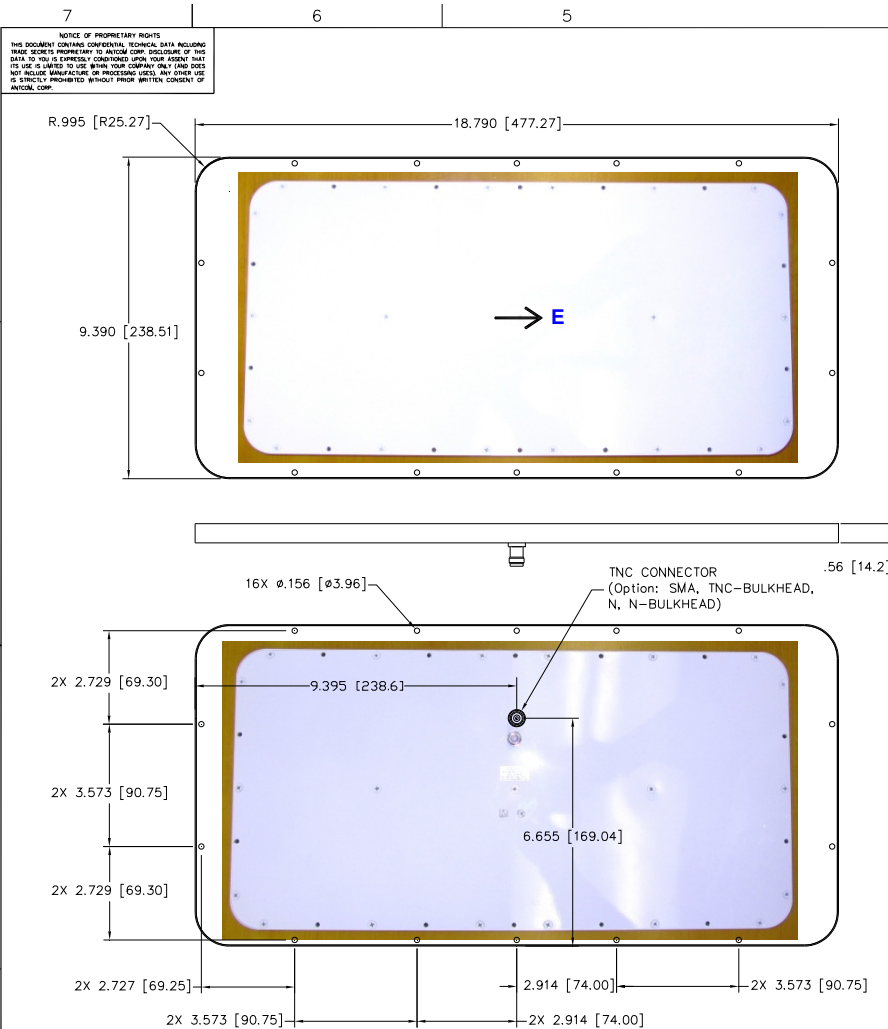
# High Gain L-BAND Antenna, P/N: 9X18A-XX-YYX-A-XX-X



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](mailto:antennas@antcom.com) . <http://www.antcom.com>



## SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**  
 FREQUENCY: L-BAND  
 (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: 13 dB  
 BEAM WIDTH (deg): 20 X 40  
 VSWR: 2.0:1  
 OUTPUT IMPEDANCE: 50 ohms  
 POWER HANDLING: 100 watts  
 DC GROUNDING: YES

**LNA OPTION:**  
 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: 9.39in x 18.79in x 0.56in  
 WEIGHT: 2.33 lb (1.06 Kg)  
 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: SMB, SMA, N, MCX, MMCX OR BNC)

**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 ELEMENTS:	FREQUENCY BAND:	S/C-BAND POL.	LNA:	CONNECTOR:	COLOR:
9X18: 9X18in	1215: L1L2	1115: L1L2L5	V: VERTICAL	A: ACTIVE	S: SMA; P: PINS	X: WITHOUT RADOME
	1419: (1.4 to 1.9) GHz	L: LHVP	R: RHCP	P: PASSIVE	M: MCX; MM: MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
	1516: 1.525 to 1.660 GHz				N: N; NB: N-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
	XXYY: XX GHz TO Y.Y GHz				T: TNC; TB: TNC-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
					X: NO CABLE	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
						-5: TAN # FS 23446 or 33446, FED-STD-595

**9X18A-XX-YYV-A-XT-5**

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	ITEM NO.
1	OPTIONAL XFL RF CABLE	SMA-M-LRM200-XFL-SMB-M		3
1	1/3-20 ANTENNA MOUNT	HGX-PMT03		1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DRAWINGS ARE IN INCHES	TORRANCE CALIFORNIA
FRACTIONS ARE TO BE DECIMALS	
TOLERANCES ARE: ANGLES ± 1°	
± 1/64	
± .005	
± .010	
± .015	
± .020	
± .030	
± .040	
± .050	
± .060	
± .070	
± .080	
± .090	
± .100	
± .120	
± .150	
± .200	
± .250	
± .300	
± .375	
± .500	
± .625	
± .750	
± 1.000	
± 1.250	
± 1.500	
± 2.000	
± 2.500	
± 3.000	
± 3.750	
± 4.500	
± 5.000	
± 6.000	
± 7.000	
± 8.000	
± 9.000	
± 10.000	
± 12.000	
± 15.000	
± 20.000	
± 25.000	
± 30.000	
± 37.500	
± 45.000	
± 50.000	
± 60.000	
± 70.000	
± 80.000	
± 90.000	
± 100.000	
± 120.000	
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± 500.000	
± 600.000	
± 700.000	
± 800.000	
± 900.000	
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± 1200.000	
± 1500.000	
± 2000.000	
± 2500.000	
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