



FAA Approved Facility

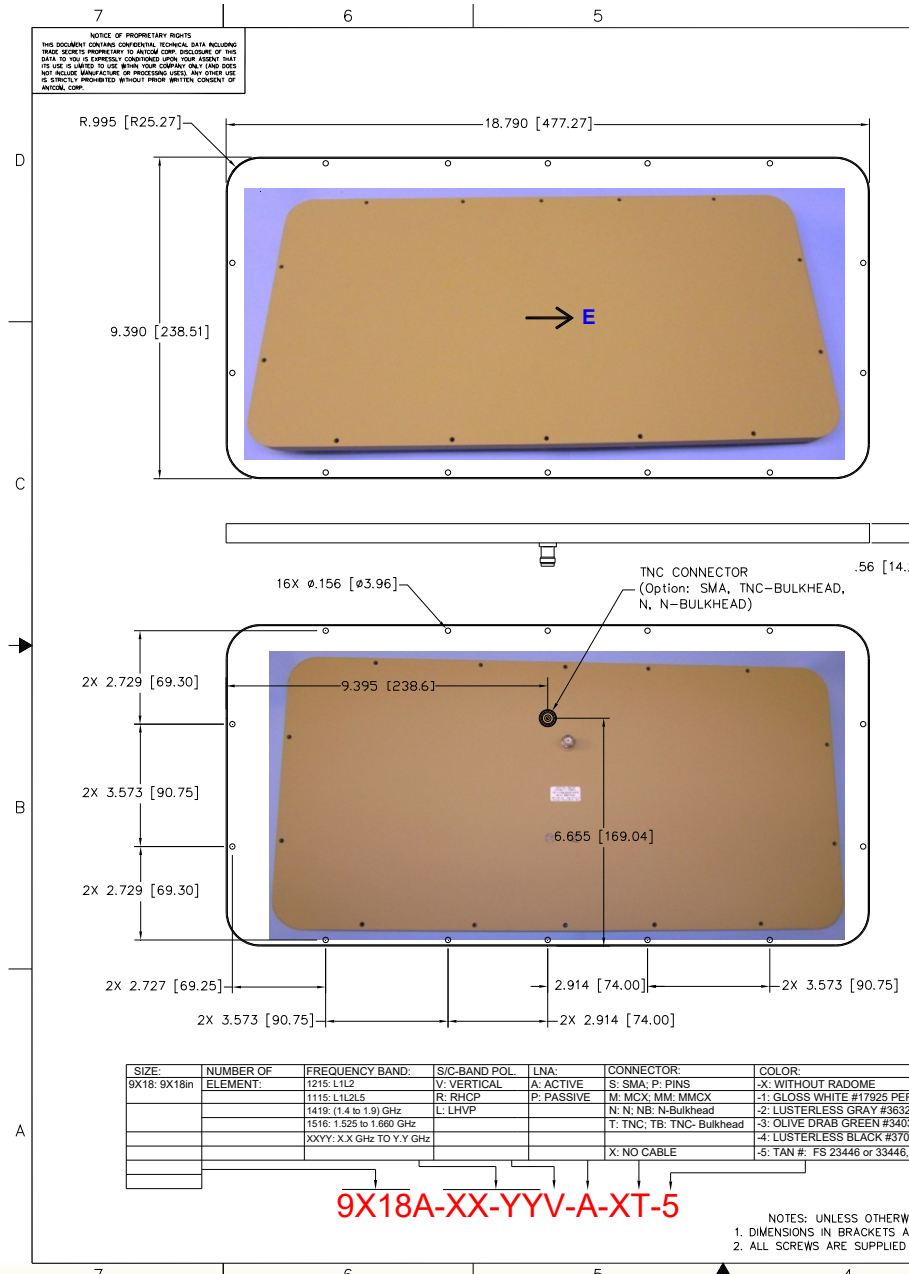
# High Gain L-BAND Antenna, P/N: 9X18A-XX-YYX-A-XX-X



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

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## SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**  
 FREQUENCY: L-BAND  
 PATTERN: (X.XX - X.XX) GHz - See Below Table for P/N  
 POLARIZATION: DIRECTIONAL  
 ANTENNA GAIN: RHCP, LHCP, or LINEAR - See Below Table for P/N  
 BEAM WIDTH (deg): 13 dB  
 VSWR: 20 X 40  
 OUTPUT IMPEDANCE: 2.0:1  
 POWER HANDLING: 50 ohms  
 DC GROUNDING: 100 watts  
 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:	SIC-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 YY 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: TOLERANCES ARE: ANGLES: ± 1/64	<b>L-BAND ARRAY ANTENNA</b>
DECIMALS: ± .010	
TOLERANCE .5H1 PER ANSI Y14.5	ENGINEER
REMOVE ALL BURRS	APPROVED S. HUYNH
BREAK EXTERNAL EDGES .005 TO .015	Mar-12-12
FILLET R .005 TO R .010	DATE
SCREW HEADS PER MIL-S-8879	SCALE 1/1
FAST ON A COMMON 1/2" DIA	SHEET 1 OF 1
MACHINED SURFACES 2V	
DO NOT SCALE DRAWING	

NMO Connector Option is Now Available for Some Antennas