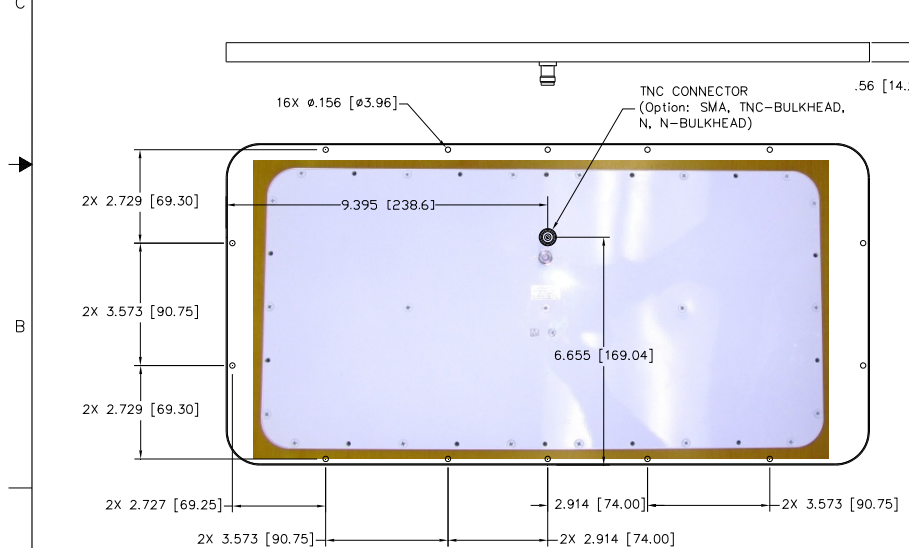
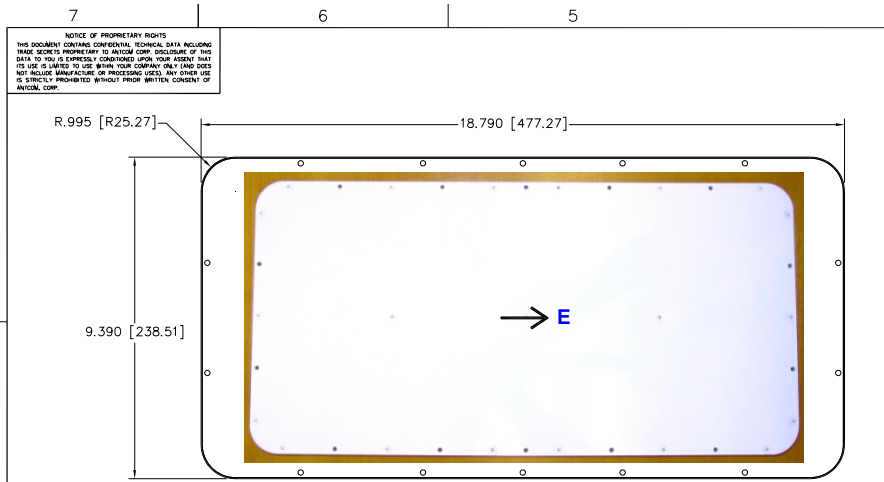


# High Gain L-BAND Antenna

## 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  
(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: RHCP	R: RHCP	P: PASSIVE	M: MCX; MM: MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
	1516: 1.525 to 1.660 GHz	L: LHVP	L: LHVP	N: N; NB: N-Bulkhead	T: TNC; TB: TNC-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
	XXYY: XX GHz TO Y.Y GHz			X: NO CABLE		-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-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 XT RF CABLE	SMA-M-LRM200-XT-SMB-M		3
1	1/3-20 ANTENNA MOUNT	HGX-PMT03		1

UNLESS OTHERWISE SPECIFIED	ANTCOM CORP.
DRAWINGS ARE IN INCHES	TORRANCE CALIFORNIA
FRACTIONS TO DECIMALS ARE: 1/16, 1/8, 3/16, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8	
TOLERANCE UNLESS OTHERWISE SPECIFIED: ± 0.005	
ANGLES: ± 1°	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES 0.005 TO 0.015	
FILLET R 0.005 TO 0.015	
SCREW HEADS PER MIL-S-8879	
BASES ON A COMMON 1/2" DIA	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

DATE	CHKD	DRG NO	DRG NO	REV
Mar-12-12	S. HUYNH	3CVE1	9X18A-XX-YYV-A-XT-5	-

SCALE 1/1 SHEET 1 OF 1