



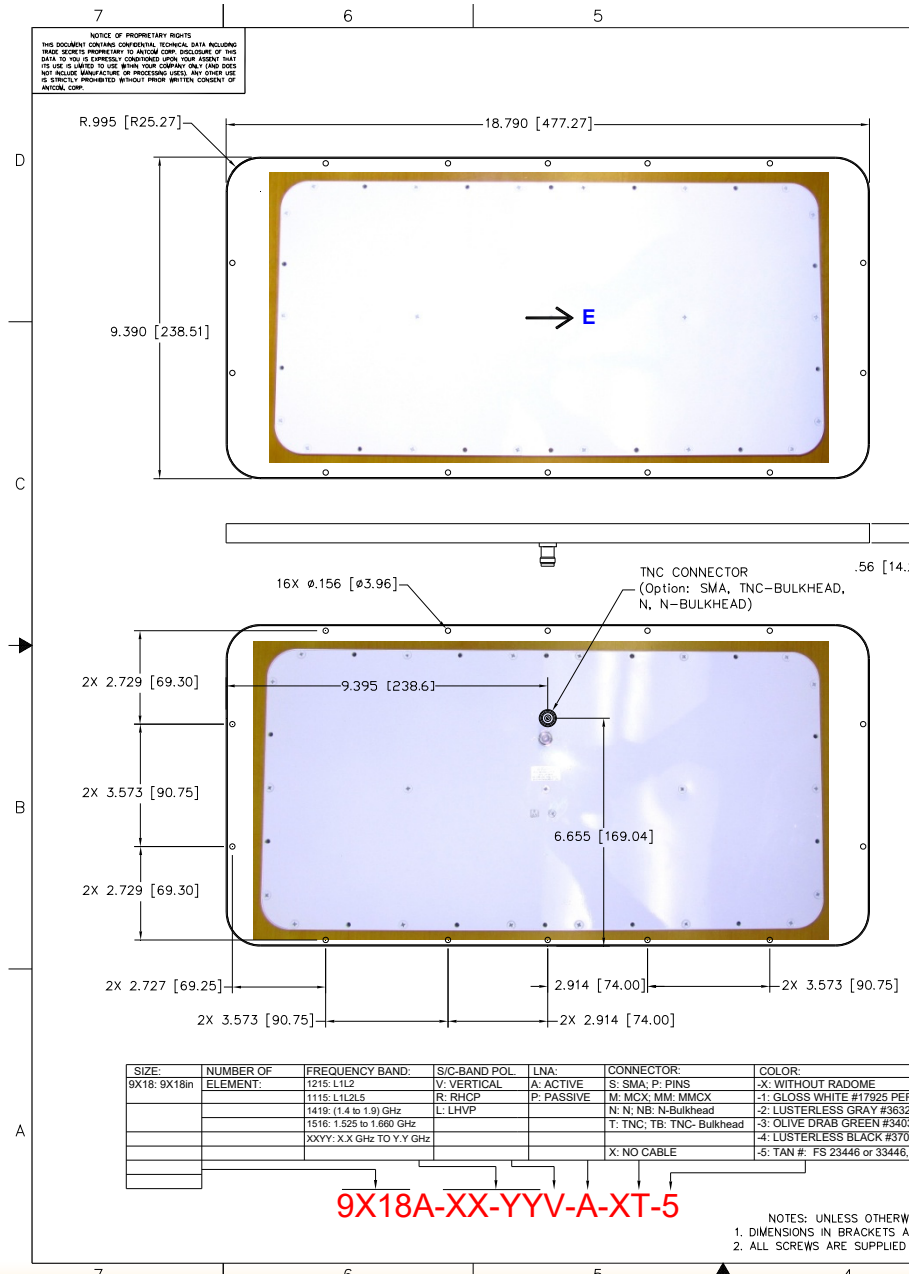
High Gain L-BAND Antenna, P/N: 9X18A-XX-YYX-A-XX-X



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <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
 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:	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: 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 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
TOLERANCES ARE:	
FRACTIONS: DECIMALS: ANGLES:	
± 1/64 ± .005 ± 1°	
TOLERANCE SHI PER ANSI Y14.5	
REMOVE ALL BURRS	
BREAK EXTERNAL EDGES .005 TO .015	
FILLET R .005 TO R .010	
SCREW HEADS PER MIL-E-8879	
DAYS ON A COMMON 1/2" DIA	
MACHINED SURFACES	
DO NOT SCALE DRAWING	

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

SCALE 1/1 SHEET 1 OF 1