



FAA Approved Facility

GSM/ PCS/ 2G/ 3G/ 4G/ LTE/ CDMA/ UMTS Antenna

P/N: 8X16A-8296-1722R-P-XN-1 (RHCP)

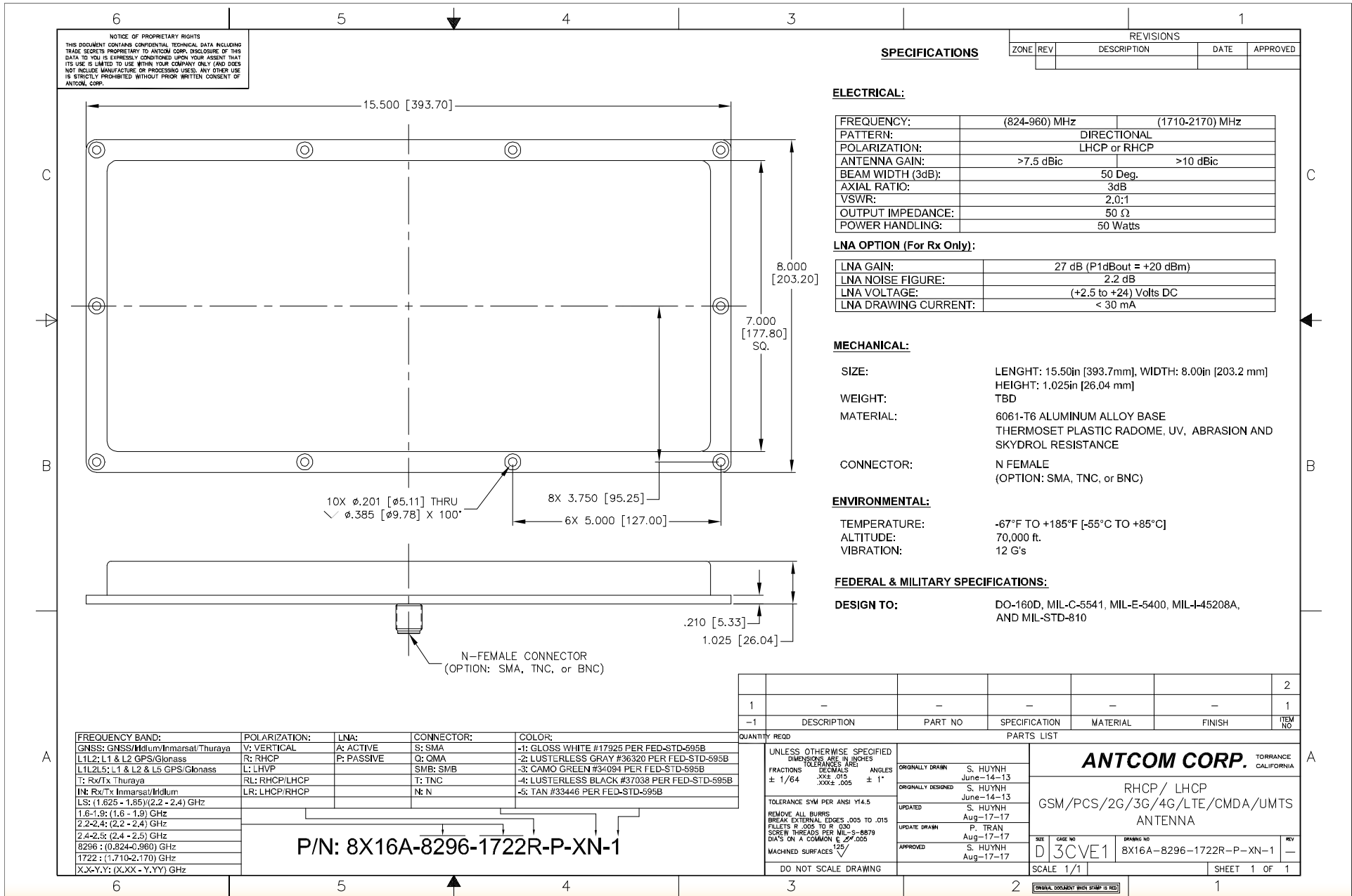
P/N: 8X16A-8296-1722L-P-XN-1 (LHCP)

Other frequencies, Connector and Color Options are Available

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



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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(824-960) MHz	(1710-2170) MHz
PATTERN:	DIRECTIONAL	
POLARIZATION:	LHCP or RHCP	
ANTENNA GAIN:	>7.5 dBic	>10 dBic
BEAM WIDTH (3dB):	50 Deg.	
AXIAL RATIO:	3dB	
VSWR:	2.0:1	
OUTPUT IMPEDANCE:	50 Ω	
POWER HANDLING:	50 Watts	

LNA OPTION (For Rx Only):

LNA GAIN:	27 dB (P1dBout = +20 dBm)
LNA NOISE FIGURE:	2.2 dB
LNA VOLTAGE:	(+2.5 to +24) Volts DC
LNA DRAWING CURRENT:	< 30 mA

MECHANICAL:

SIZE: LENGHT: 15.50in [393.7mm], WIDTH: 8.00in [203.2 mm]
 HEIGHT: 1.025in [26.04 mm]
 TBD

WEIGHT: TBD

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: N FEMALE
 (OPTION: SMA, TNC, or BNC)

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]
 ALTITUDE: 70,000 ft.
 VIBRATION: 12 G's

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

NOTICE OF PROPRIETARY RIGHTS
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FREQUENCY BAND: GNSS: GNSS/Idium/Inmarsat/Thuraya L1L2: L1 & L2 GPS/Glonass L1L2L5: L1 & L2 & L5 GPS/Glonass T: Rx/Tx Thuraya IN: Rx/Tx Inmarsat/Idium LS: (1.625 - 1.85)(2.2 - 2.4) GHz 1.6-1.9: (1.6 - 1.9) GHz 2.2-2.4: (2.2 - 2.4) GHz 2.4-2.5: (2.4 - 2.5) GHz 8296 : (0.824-0.960) GHz 1722 : (1.710-2.170) GHz X.X-Y.Y: (X.XX - Y.YY) GHz	POLARIZATION: V: VERTICAL R: RHCP L: LHVP RL: RHCP/LHCP LR: LHCP/RHCP	LNA: A: ACTIVE P: PASSIVE	CONNECTOR: S: SMA Q: QMA SMB: SMB T: TNC N: N	COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -3: CAMO GREEN #34094 PER FED-STD-595B -4: LUSTERLESS BLACK #37038 PER FED-STD-595B -5: TAN #33446 PER FED-STD-595B
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1	-	-	-	-	-	2
-1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
QUANTITY REQD PARTS LIST						
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE: DECIMALS ANGLES ± 1/64 .xxx ± .015 .xxx ± .005 ± 1°						
TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON E 29.005 MACHINED SURFACES						
DO NOT SCALE DRAWING						
ORIGINAL DRAWN	S. HUYNH	June-14-13	ANTCOM CORP. TORRANCE, CALIFORNIA			
ORIGINALY DESIGNED	S. HUYNH	June-14-13	RHCP/ LHCP			
UPDATED	S. HUYNH	Aug-17-17	GSM/PCS/2G/3G/4G/LTE/CMDA/UMTS			
UPDATE DRAWN	P. TRAN	Aug-17-17	ANTENNA			
APPROVED	S. HUYNH	Aug-17-17	SIZE	CAGE NO	DRAWING NO	REV
			D	3CVE1	8X16A-8296-1722R-P-XN-1	1
			SCALE	1/1	SHEET	1 OF 1
ORIGINAL DOCUMENT WHEN STAMP IS RED						