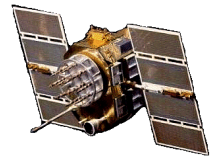




High Gain, 8 Channels L-BAND Antenna Array

P/N: 9X18A-L1L2R-A-XT8-1 (RHCP)

P/N: 9X18A-L1L2L-A-XT8-1 (LHCP)



ISO 9001:2008/FAA Approved Facility Antenna Mounts: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

ANTCOM CORPORATION . 367 Van Ness Way, #602 . Torrance, CA 90501 . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>

9X18A-L1L2X-A-XT8-1

SPECIFICATIONS

REVISIONS	
ZONE	DESCRIPTION

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 (Array); 3 dB (Element)
VSWR:	20 X 40 (Array); 106 - 114 (Element)
OUTPUT IMPEDANCE:	2.0:1
POWER HANDLING:	50 ohms
DC GROUNDING:	1 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:	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	1516: 1.525 to 1.660 GHz	R: RHCP	P: PASSIVE	M: MCX; MM: MMCX	-1: GLOSS WHITE #17925 PER FED-STD-595B
	XXYY: XX GHz TO YY GHz		L: LHVP		N: N; NB: N-Bulkhead	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
					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

QUANTITY	DESCRIPTION	PART NO	FINISH	REV

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANTCOM CORP. TORRANCE CALIFORNIA								
FRACTIONS DECIMALS ANGLES	ORIGINALLY DRAWN S. HUYNH Mor-12-12	L-BAND ARRAY ANTENNA								
± 1/64 .001 ± 1°	ORIGINALLY DESIGNED S. HUYNH Mor-12-12									
TOLERANCE SHW PER ANS1 Y14.5	UPDATED S. HUYNH Oct-23-12									
REMOVE ALL BURRS BREAK EXTERNAL EDGES .006 TO .015	UPDATE DRAWN P. TRAN Oct-23-12									
SMALL DIMENSIONS FOR DIMS ON A COMMON & 27.000	APPROVED S. HUYNH Oct-23-12	<table border="1" style="font-size: small;"> <tr> <td>REV</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> </tr> <tr> <td>D</td> <td>3CVE1</td> <td>9X18A-L1L2X-A-XT8-1</td> <td></td> </tr> </table>	REV	DATE	DESCRIPTION	BY	D	3CVE1	9X18A-L1L2X-A-XT8-1	
REV	DATE	DESCRIPTION	BY							
D	3CVE1	9X18A-L1L2X-A-XT8-1								
MACHINED SURFACES	SCALE 1/1	SHEET 1 OF 1								
DO NOT SCALE DRAWING										

NMO Connector Option is Now Available for Some Antennas