



(30-400)/ (240-400)/ (960-1215) MHz VHF/UHF-SATCOM/L-BAND Antenna

P/N: 9B-30400-240400R-9601215-XTNN1

Other Frequencies, Connectors and Colors Options Are Available



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

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8.100 [205.74]  
5.250 [133.35]  
6X  $\phi$ .195 [ $\phi$ 4.95] THRU  
 $\checkmark$   $\phi$ .385 [ $\phi$ 9.87] X 100"  
FOR 10-32 MOUNTING SCREWS

R4.564 [R116.91]  
6.146 [156.12]  
2.062 [52.37]  
9.125 [231.78]  
10.845 [275.46]  
1.720 [43.69]  
0.625 [15.88]  
6X  $\phi$ .195 [ $\phi$ 4.95] THRU  
 $\checkmark$   $\phi$ .385 [ $\phi$ 9.87] X 100"  
OTHER SIDE  
FOR 10-32 MOUNTING SCREWS

R4.222 [R107.25]  
4X 1.585 [40.26]  
4X 3.400 [86.36]  
2X 2.000 [50.80]  
2X 3.710 [94.24]

N FEMALE CONNECTOR  
TNC FEMALE CONNECTOR

J1 J2 J3

### SPECIFICATIONS

ZONE	REVISIONS			
	REV	DESCRIPTION	DATE	APPROVED
A		MOUNTING HOLES	12/01/16	S.H

**ELECTRICAL:**

	J1 - VHF/UHF	J2 - UHF	J3 - L-BAND
FREQUENCY (MHz):	LOW ANGLE (30-400)	HIGH ANGLE (240-400)	(960-1215)
RADIATION PATTERN:	OMNIDIRECTIONAL	HEMISPHERICAL	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL	RHCP	VERTICAL
ANTENNA GAIN:	(-18 to +4) dBil	>1 dBic	4 dBil
VSWR:	(4.5 to 2.0):1	2:1	2:1
OUTPUT IMPEDANCE:	50 $\Omega$	50 $\Omega$	50 $\Omega$
POWER HANDLING:	200 watts	>50 watts	>50 watts
CONNECTOR:	TNC-F	N-F	N-F

**MECHANICAL:**

SIZE: WIDTH: 6.146 in [156.12 mm], LENGTH: 8.100 in [205.74 mm]  
HEIGHT: 10.845 in [275.46 mm]  
WEIGHT: 6.18 Lbs. (2.81Kg)  
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDITE PER MIL-C-5441F  
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,  
SKYDROL RESISTANCE, AND FIRE RETARDANT  
CONNECTOR: (J1) TNC FEMALE, (J2, J3) N FEMALE  
(OPTION: SMA, TNC, N)

**ENVIRONMENTAL:**

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]  
ALTITUDE: 70,000 ft.  
VIBRATION: > 30 G's  
LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

**DESIGN TO:** TSO-C169A/C144, DO-160D, DO-228, MIL-C-5541F,  
MIL-STD-461E/F, MIL-E-5400, MIL-I-45208A, MIL-STD-810,  
MIL-S-901D, MIL-STD-167-1A, SAE J1455

**ACCEPTANCE TEST PROCEDURE:** ATP-GPS-11L2-100

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LOW ANGLE (MHz):	HIGH ANGLE (MHz):	OTHER BAND (MHz):	CONNECTOR:	COLOR:
(30-400)	(240-400)	(960-1215)	S: SMA; SM: SMA-M N: N, NM: N-M T: TNC, TM: TNC-M	-1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -4: LUSTERLESS BLACK #37038 PER FED-STD-595B

QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	REV
				2
				1

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
FRACTIONS SHALL BE IN 16ths UNLESS OTHERWISE SPECIFIED  
DECIMALS SHALL BE TO 2 PLACES UNLESS OTHERWISE SPECIFIED  
TOLERANCE S/W PER ANSI Y14.5  
REMOVE ALL BURRS  
BREAK EXTERNAL EDGES .005 TO .015  
FILE TO .005 TO .010  
SIZE BY GRADES PER MIL-S-8879  
DIA'S ON A CONFORM TO 29 UNLESS OTHERWISE SPECIFIED  
MACHINED SURFACES  $\checkmark$

DO NOT SCALE DRAWING

**ANTCOM CORP.** TORRANCE, CALIFORNIA

VHF/UHF-SATCOM/L-BAND ANTENNA

DATE: 12/01/16  
DRAWN BY: S. HUYNH  
CHECKED BY: S. HUYNH  
APPROVED BY: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1