



ISO 9001:2008/FAA Approved Facility

UHF, VRC-99/CDMA/PCS/L, S, C, X, or Ku-Band Omni Antennas, P/N: 53-X.X-X.XV-O-XX-X-COB Rev A

P/N: 73-1.7-2.0V-O-XN-4-COB Rev A (1.7-2.0 GHZ, N Connector, Black)

P/N: 73-2.0-2.5V-O-XN-4-COB Rev A (2.0-2.5 GHZ, N Connector, Black)

P/N: 73-4.4-5.0V-O-XN-4-COB Rev A (4.4-5.0 GHZ, N Connector, Black)

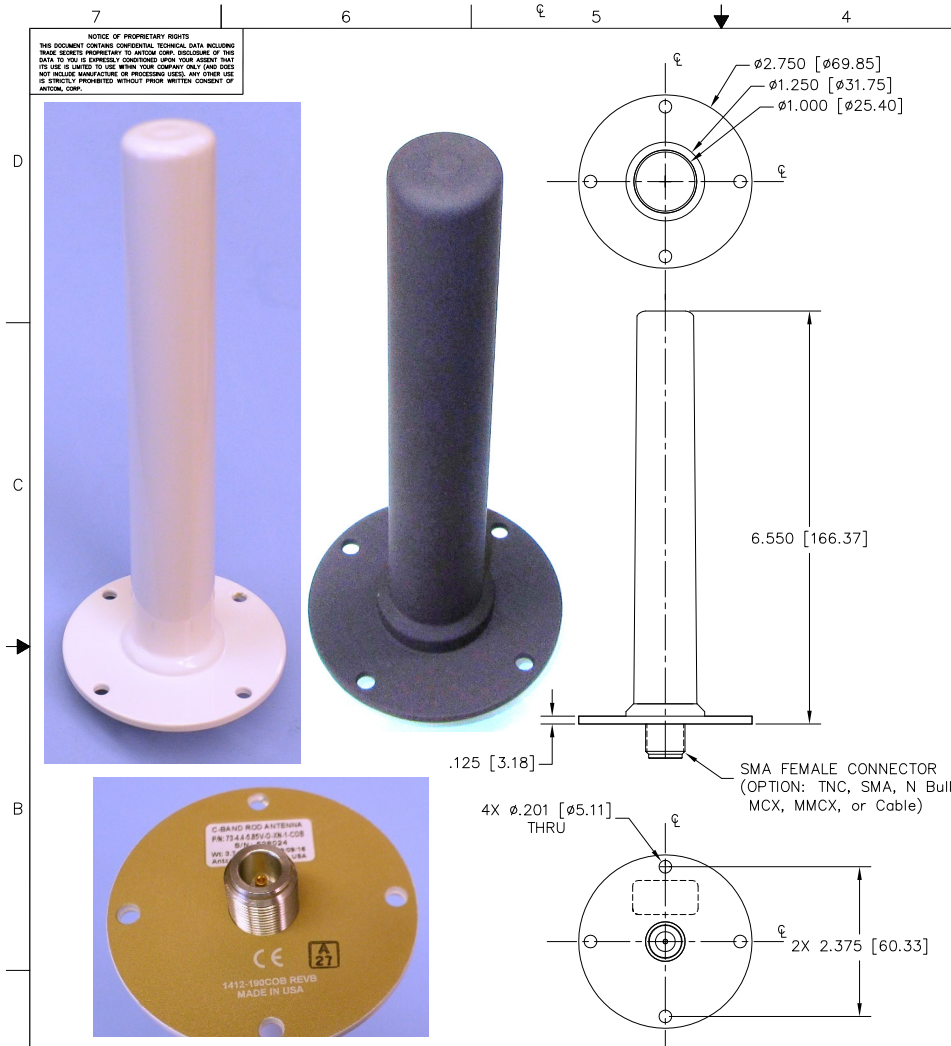
7" Tall Rod Configuration, LNA Options are Available

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



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

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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(X.X-X.X) GHz (See Table Below)
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	5.5 dBil
Elevation Beam Width (3dB):	(40 to 54) °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
LIGHTNING PROTECTION:	Yes

MECHANICAL:

SIZE: BASE DIAMETER = 2.750 in. [69.85 mm],
HEIGHT = 6.550 in. [166.37 mm]

WEIGHT: 3.4 oz. (96.4 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL TOP,
BASE IRIDITE PER MIL-C-5441

COLOR: GLOSS WHITE #17925 PER FED-STD-595B
LUSTERLESS GRAY #36320 PER FED-STD-595B
OLIVE DRAB GREEN #34031 PER FED-STD-595B
LUSTERLESS BLACK #37038 PER FED-STD-595B

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
COMPOSITE RADOME, IMPACT, ABRASION,
UV, SOLVENT AND SKYDROL RESISTANCE,
FIRE RETARDANT

CONNECTOR: SMA FEMALE CONNECTOR
(OPTION: TNC, SMA, N Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000 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

FREQUENCY (GHz)	POLARIZATION:	BEAM PATTERN:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
X.X-X.X	V: VERTICAL	F: FAN BEAM	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.31-0.45	L: LHCP	O: OMNI	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
0.8-1.7	R: RHCP		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
1.7-2.0			R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
2.0-2.5					-5: DESERT TAN #33446 PER FED-STD-595B
4.4-5.85					

P/N: 73-X.X-X.XV-O-XN-4-COB

4	10-32 Phillips Pan Head, 1/4" L	MS51958-59	-	1
QUANTITY REQD		PARTS LIST		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE IN 16THS DECIMALS SHALL BE TO 0.005 ± 1/64 0.005 0.01 ± 1'		ANTCOM CORP. TORRANCE CALIFORNIA UHF, L, S, C (X.X-X.X) GHz 6dB OMNI ANTENNA		
ORIGINALLY DRAWN	S. HUYNH OCT-20-10			
ORIGINALLY DESIGNED	S. HUYNH OCT-20-10			
UPDATED	S. HUYNH JUN-07-14			
REWORK: ALL SURFACES BREAK EXTERNAL EDGES 0.05 TO 0.15 FILED'S TO 1/8" R SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON 1/8" DIA MACHINED SURFACES	P. TRAN JUN-07-14 S. HUYNH JUN-07-14	SEE CASE NO D 3CVE1 DRAWING NO 73-X.X-X.XV-O-XX-X-COB SCALE 1/1	REV A	SHEET 1 OF 1