



ISO 9001:2008/FAA Approved Facility

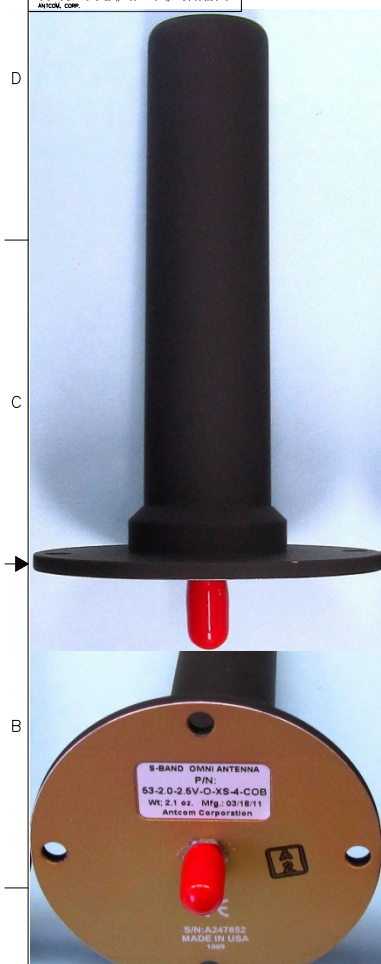
UHF, VRC-99/CDMA/PCS/L, S, C, X, or Ku-Band Omni Antennas, P/N: 53-X.X-X.XV-O-XXN-X-COB, 4" Tall Rod Configuration

P/N: 53-1.62-1.85V-O-XS-4-COB for (1.627-1.85) GHZ with SMA Connector, Black
 P/N: 53-1.62-2.50V-O-XS-4-COB for (1.627-2.50) GHZ with SMA Connector, Black
 P/N: 53-2.4-2.5V-O-XS-4-COB for (2.4-2.5) GHZ with SMA Connector, Black
 P/N: 53-2.2-2.4V-O-XS-4-COB for (2.2-2.4) GHZ with SMA Connector, Black
 P/N: 53-4.4-5.0V-O-XS-4-COB for (4.4-5.0) GHZ with SMA Connector, Black

Other Frequencies, Colors, Connectors, and LNA Options are Also Available
 Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



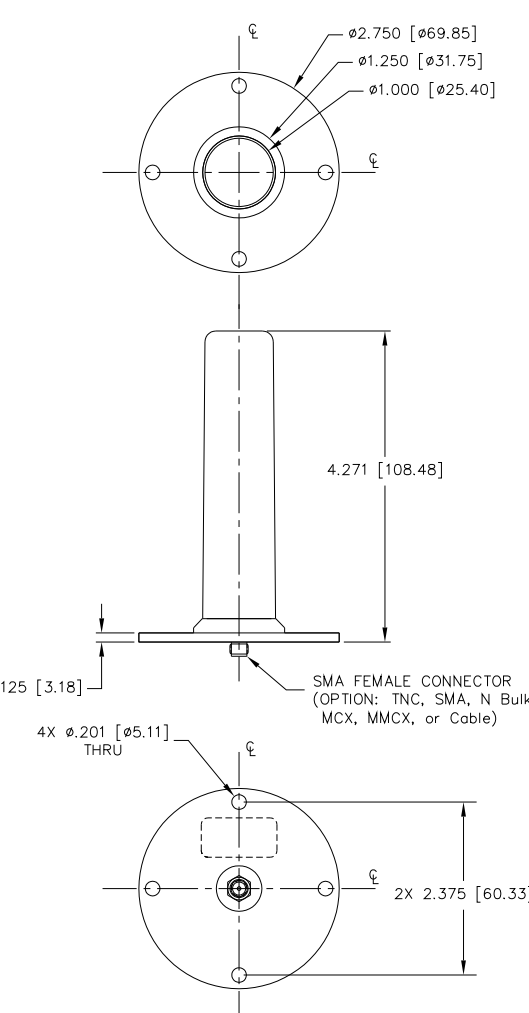
ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . <http://www.antcom.com>



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S-BAND OMNI ANTENNA
P/N:
53-2.0-2.4V-O-XS-4-COB
Wt: 2.1 oz. Mfg: 03/18/11
Antcom Corporation

S/N: A247852
MADE IN USA
1108



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

4X Ø.201 [Ø5.11] THRU

2X 2.375 [60.33]

SPECIFICATIONS

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 = 4.271 in. [108.48 mm]

WEIGHT: < 2.2 oz. (62 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, DO-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; F: 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
4.40-5.85					

P/N: 53-X.X-X.XV-O-XS-4-COB

QUANTITY REQD	DESCRIPTION	PART NO	FINISH	THRU NO
4	10-32 Phillips Pan Head, .1/4" L	MS51958-59	-	1

ANTCOM CORP. TORRANCE CALIFORNIA

UHF, L, S, C (X.X-X.X) GHZ
6dB OMNI ANTENNA

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
± 1/64 ± .015 ± 1°
X.XX .005 ± .010

TOLERANCE .5M PER ANS1 Y14.6
REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILES S .005 TO R .030
SCREW THREADS PER MIL-S-8879
DAYS ON A CORNER 5, 25, 000
MACHINED SURFACES

DO NOT SCALE DRAWING

ORIGINAL DRAWN	S. HUYNH OCT-20-10
ORIGINAL DESIGNED	S. HUYNH OCT-20-10
UPDATER	S. HUYNH JUN-07-14
UPDATE DRAWN	P. TRACY JUN-07-14
APPROVED	S. HUYNH JUN-07-14

REV	DATE	DESCRIPTION
D	3CVE1	53-X-X-XV-O-XS-4-COB A

SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas