



ISO 9001:2008/FAA Approved Facility

UHF, VRC-99/CDMA/PCS/L, S, C, X, or Ku-Band Omni Antennas, P/N: 23-X.X-X.XV-O-XXN-X-COB, 2" Tall Rod Configuration

P/N: 23-1.62-1.85V-O-XS-4-COB for (1.627-1.85) GHZ, with SMA Connector, Black

P/N: 23-1.62-2.50V-O-XS-4-COB for (1.627-2.50) GHZ, with SMA Connector, Black

P/N: 23-2.4-2.5V-O-XS-4-COB for (2.4-2.5) GHZ with SMA Connector, Black

P/N: 23-2.2-2.4V-O-XS-4-COB for (2.2-2.4) GHZ, with SMA Connector, Black

P/N: 23-4.4-5.0V-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>



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SPECIFICATIONS

| REVISIONS | | DATE | APPROVED |
|-----------|-----|-------------|----------|
| ZONE | REV | DESCRIPTION | |
| | | | |

ELECTRICAL:

| | |
|-----------------------------|---------------------------------|
| FREQUENCY: | (X.X-X.X) GHZ (See Table Below) |
| RADIATION PATTERN: | OMNI |
| POLARIZATION: | VERTICAL |
| VSWR: | < 2.0:1 |
| GAIN (dB): | 5.5 dBi |
| 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 = 1.980 in. [50.29 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)

MOUNTING: FIXED MOUNT: FROM TOP

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 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 |
| 4.40-5.85 | | | | | |

SMA FEMALE CONNECTOR
(OPTION: TNC, TNC Bulkhead, N,
N-Bulkhead, MCX, MMCX, or Cable)
Clearance Hole: 0.4" Dia.
for SMA, MCX, & MMCX Con.
0.52" Dia. for TNC Con.
0.63" Dia. for N Con.

P/N: 23-X.X-X.XV-O-XS-4-COB

| QUANTITY REQD | DESCRIPTION | PART NO | FINISH | REQD |
|---------------|---------------------|------------|--------|------|
| 4 | 10-32 SCREW, 1/4" L | MS51958-59 | - | 1 |

ANTCOM CORP. TORRANCE CALIFORNIA

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

| | | |
|----------|----------|-------------------|
| DATE | BY | DESCRIPTION |
| 01-20-10 | S. HUYNH | ORIGINAL DRAW |
| 01-20-10 | S. HUYNH | ORIGINAL DESIGNED |
| 01-12-14 | S. HUYNH | UPDATED |
| 01-12-14 | P. TRAN | UPDATE DRAWN |
| 01-12-14 | S. HUYNH | APPROVED |

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas