



UHF, GSM/PCS/L-Band, L/S, S, C, X or Ku-Band Antenna,
 P/N: 5W-X.XX-Y.YYP-XX-X Rev A
 2.6, 4.1, and 6.1in Tall x 0.5" Dia. Rod Configuration
 LNA Options are Available



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

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SPECIFICATIONS

ELECTRICAL:

| | UHF (350-450) | GSM/PCS/L-BAND (800-1990) | L/S-BAND (1332-1540) | S-BAND (1610-1850) | C-BAND (1610-2500) | (2400-2500) | (4400-5850) |
|-------------------|----------------------------------------------------------------------------------|------------------------------|-------------------------|-----------------------|-----------------------|-------------|-------------|
| FREQUENCY (MHz): | (310-400) | (400-450) | (810-960) | (1332-1540) | (1610-1850) | (1610-2500) | (2400-2500) |
| PATTERN: | OMNIDIRECTIONAL | | | | | | |
| POLARIZATION: | VERTICAL | | | | | | |
| ANTENNA GAIN: | > 2 dB | | | | | | |
| VSWR: | (3-6):1 | 2:1 | | | | | |
| OUTPUT IMPEDANCE: | 50 Ω | | | | | | |
| POWER HANDLING: | >50 watts (Without LNA) | | | | | | |
| LNA OPTION: | GAIN: 20 dB, NF: 4.1 dB, OP1dB: +18dB, OIP3: +33dB DC: (5 to 24) Volt @ <70mA | | | | | | |

SIZE: DIAMETER: TOP= 0.500 in [12.70 mm]
 HEIGHT: 1 in [25.4mm] (C-Band), 2.5 in [63.5mm] (S-Band),
 4.5 in [35.5mm] (L/UHF Band), See Part Number Below

WEIGHT: UHF: 1.2 oz. (34g); L-Band: 0.8 oz. (22g); S-Band: 0.6 oz. (17g);
 C-Band: 0.5 oz. (14g). (for SMA: Reduce 0.32 oz (9g) for All Antennas.)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BLACK ANODIZE PER MIL-A-8625F
 LUSTERLESS GRAY #36320 PER FED-STD-595B
 GLOSS WHITE #17925 PER FED-STD-595B
 OLIVE DRAB GREEN #34031 PER FED-STD-595B
 LUSTERLESS BLACK #37038 PER FED-STD-595B

COLOR:

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: BULKHEAD FEMALE TNC (P1)
 (SMA, N, AND OTHERS ARE OPTIONAL)

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]
 ALTITUDE: 70,000 ft.
 VIBRATION: >10 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A,
 AND MIL-STD-810E

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

Option for Separate Spring Loaded Adapter:
 P/N: TNC-M-SL-2in-TNC-F

| CONFIGURATION: | FREQUENCY: | LNA: | CABLE LENGTH: | CONNECTOR: | COLOR: |
|---------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|----------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| S2: WITH 1.75IN DIA. FLANGE S1: WITHOUT Flange | 0.31-0.40: (310-400) MHz 0.35-0.40: (350-400) MHz 0.40-0.45: (400-450) MHz 0.81-0.96: (810-960) MHz 0.85-1.90: (850-1900) MHz 1.33-1.54: (1332-1540) MHz 1.61-1.85: (1610-1850) MHz 1.61-2.50: (1610-2500) MHz 2.40-2.50: (2400-2500) MHz 4.40-5.85: (4400-5850) MHz X.XX-Y.YY: (X.XX-Y.YY) GHz | A: WITH +20 dB LNA P: WITHOUT LNA | X: NO CABLE M: WITH MAG. MOUNT R: RIGHT ANGLE CON. | S: SMA FEMALE SM: SMA MALE T: TNC FEMALE TB: TNC B-Head TM: TNC MALE N: N FEMALE B: BNC FEMALE NM: N MALE BN: BNC MALE | -1: GLOSS WHITE #17925 PER FED-STD-595B -2: LUSTERLESS GRAY #36320 PER FED-STD-595B -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B -4: Natural Back Color from Ultem 2200 Black (20% Glass) -5: DESERT TAN #33446 PER FED-STD-595B |

P/N: 5W-X.XX-Y.YYP-XTB-4

| 1 | 2 | 3 | 4 | 5 | 6 |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|----------|--------|---------|
| DESCRIPTION | PART NO | SPECIFICATION | MATERIAL | FINISH | ITEM NO |
| QUANTITY REQD | PARTS LIST | | | | |
| <p>ANTCOM CORP. TORRANCE, CALIFORNIA</p> <p>UHF, GSM/PCS/L-BAND, L/S, S, C-BAND OMNI ANTENNA</p> <p>SIZE: CASE NO: D 3CVE1 DRAWING NO: 5W-X.XX-Y.YYP-XTB-X REV: A</p> <p>SCALE: 1/1 SHEET: 1 OF 1</p> | | | | | |

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