



UHF/L/S-Band Antenna for Deep Sea Applications, *Depth Rate = 10 Km (1455 PSI)*

P/N: 201.0-0102V-40CPA2155-UU-R2500 (100 – 200 MHz) ; P/N: 201.0-0305V-40CPA2155-UU-R2500 (300 – 500 MHz)

P/N: 201.0-0820V-40CPA2155-UU-R2500 (800 – 2000 MHz) ; P/N: 201.0-0727V-40CPA2155-UU-R2500 (700 – 2700 MHz)

40" Cable with CPA2155 Connector, Other Frequencies, Connector and Cable Length are Available.

ISO 9001:2008/FAA Approved Facility

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



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| REVISIONS | | DATE | APPROVED |
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SPECIFICATIONS

ELECTRICAL:

| | |
|-------------------|--|
| FREQUENCY (MHz): | (100-200) or (300-500) or (800-2000) MHz |
| PATTERN: | OMNIDIRECTIONAL |
| POLARIZATION: | VERTICAL |
| ANTENNA GAIN : | > 0 dB |
| VSWR: | 2.5:1 |
| 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 |

MECHANICAL:

SIZE: BASE DIAMETER = 1.120 in. [28.45 mm],
HEIGHT = < 21 in [533.4 mm]

WEIGHT: 1.266 lbs (574 g)

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

FINISH: TEFLON COATED

CONNECTOR: CPA2155 MALE CABLE
(OPTION: SMA, TNC, N or BNC)

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: FAA TSO-C144, DO-160D, D0-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-L1L2-100

| FREQUENCY (GHz) | POLARIZATION: | CONNECTOR: | COLOR: |
|-----------------------|---------------|--------------------------|--|
| 0102: (100-200) MHz | V: VERTICAL | S: SMA; P: PINS | -1: GLOSS WHITE #17925 PER FED-STD-595B |
| 0305: (300-500) MHz | L: LHCP | M: MCX; MM: MMCX | -2: LUSTERLESS GRAY #36320 PER FED-STD-595B |
| 0820: (800-2000) MHz | R: RHCP | N: N; NB: N-Bulkhead | -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B |
| | | T: TNC; TB: TNC-Bulkhead | -4: LUSTERLESS BLACK #37038 PER FED-STD-595B |
| | | CPA2X: CPA2902 | -8: TAN #33446 PER FED-STD-595B |
| XXYY: (X.XX-Y.YY) MHz | | CPA2155: CPA2155 | UL: Gray Color Teflon Coating |

P/N: 201.0-XXYYV-40CPA2155-UU-R2500

| QUANTITY | RECD | DESCRIPTION | PART NO | MATERIAL | ITEM |
|----------|------|-------------|---------|----------|------|
| | | | | | |

| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | TOLERANCES ARE: | |
|---|----------|-----------------|--|
| FRACTIONS | DECIMALS | ANGLES | |
| ± 1/64 | ± .005 | ± 1° | |

| DATE | BY | APP'D | DESCRIPTION |
|------|----|-------|-------------|
| | | | |

ANTCOM CORP. TORRANCE, CALIFORNIA

(100-200) or (300-500) MHz
or (800-2000) MHz
OMNI ANTENNA

SCALE 1/1 SHEET 1 OF 1