



# UHF/L/S-Band Antenna for Deep Sea Applications, *Depth Rate = 10 Km (14555 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

### 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

QUANTITY	DESCRIPTION	PART NO	MATERIAL	ITEM

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