



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>



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>

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONTINGENT UPON YOUR SIGNING THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY AND DOES NOT INCLUDE MANUFACTURE OR REPRODUCTION. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

REVISIONS			
ZONE	REV	DESCRIPTION	DATE

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
					2
					1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		TOLERANCES ARE:	
FRACTIONS	DECIMALS	ANGLES	HOLES
± 1/64	± .005	± 1°	± .010
	± .002		± .005
TOLERANCE SURF PER ANSI Y14.5			
REMOVE ALL BURRS			
BREAK EXTERNAL EDGES .005 TO .015			
FILED R .005 TO R .020			
SCREW THREADS PER MIL-C-8879			
DRYS ON A COMMON 6.25 DIA			
MACHINED SURFACES 125			
DO NOT SCALE DRAWING			

ANTCOM CORP. TORRANCE, CALIFORNIA

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

DATE	TIME	BY	CHK
D	3CVE1	S. HUYNH	

SCALE 1/1 SHEET 1 OF 1