

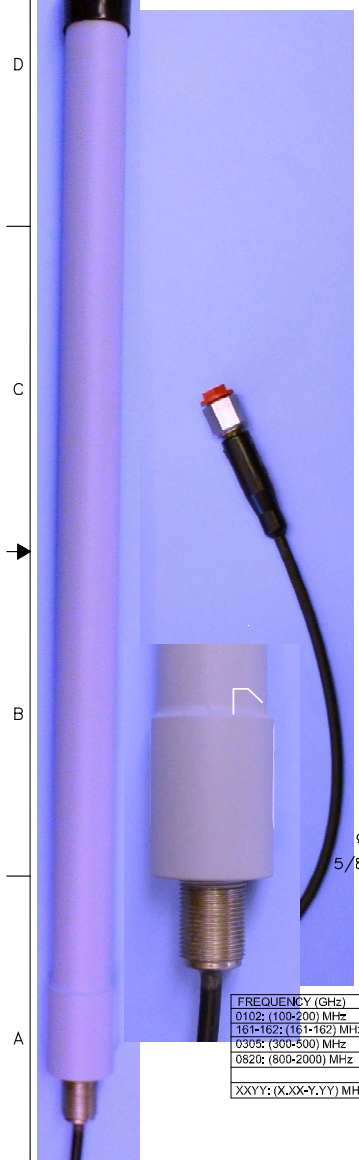


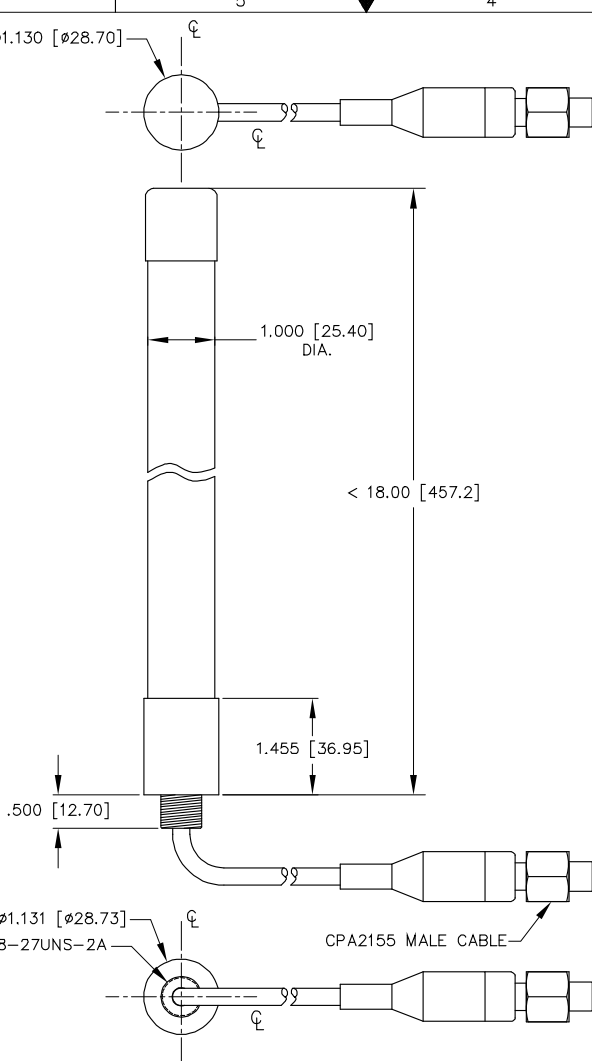
VHF/UHF Antenna for Buoy/Deep Sea Applications
 P/N: 18R-161-162P-18CPA2155U ((161-162) MHz, 18in. Cable with CPA2155 Connector)
 P/N: 9R-161-162P-18CPA2155U ((161-162) MHz, 18in. Cable with CPA2155 Connector, in Tall)
 P/N: 18R-161-162P-XX-X-UU ((161-162) MHz, Other Connectors)
 P/N: 13R-426-427P-120CPA2155U-ISG ((426-427) MHz, 120in. Cable with CPA2155 Connector)
 P/N: 10R-426-427P-138DGO-UU-ISG ((426-427) MHz, 138in. Cable with CPA2155 Connector)



Other Frequencies and Connectors are Available. *Depth Rate = 10 Km (14,555 PSI)*
 ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHZ):	(100-200) or (161-162) 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 = 1.131 in. [28.73 mm], < 18.00 in. [457.2 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
161-162: (161-162) MHz	L: LHCP	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
0305: (300-500) MHz	R: RHCP	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
0820: (800-2000) MHz		T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
XXYY: (X.XX-Y.YY) MHz		CPA2X: CPA2902	-5: TAN #33446 PER FED-STD-595B
		CPA2155: CPA2155	U: Gray Color Teflon Coating

P/N: 18R-161-162P-18CPA2155U

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	ITEM
				2
				1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES ± 1/64 .004 .005 ± 1°		ANTCOM CORP. TORRANCE, CALIFORNIA	
ORIGINALLY DRAWN	S. HUYNH	(100-200) or (161-162) MHz or (300-500) or (800-2000) MHz OMNI ANTENNA	
ORIGINALLY DESIGNED	S. HUYNH		
UPDATED	S. HUYNH		
UPDATE DRAWN	P. TRAN		
APPROVED	S. HUYNH	DATE: 30VE1	PART NO: 18R-161-162P-18CPA2155U
DO NOT SCALE DRAWING		SCALE: 1/1	SHEET: 1 OF 1