



(161-163) MHz VHF Antenna for Deep Sea Applications

P/N: 103-0.161-0.163V-XDGO-UU (For DGO Connectors)

P/N: 103-0.161-0.163V-XX-2-UU (For Other Connectors)

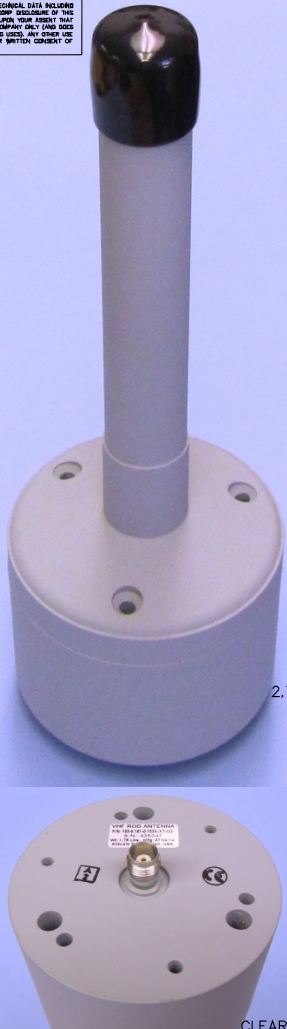
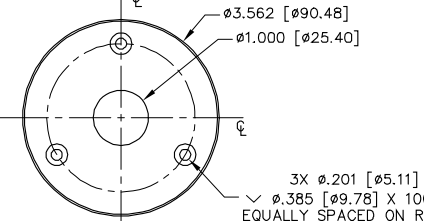
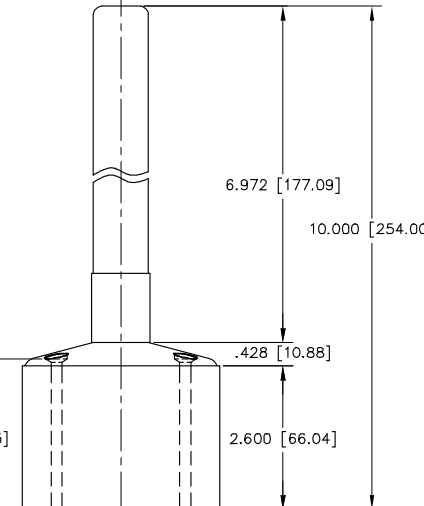
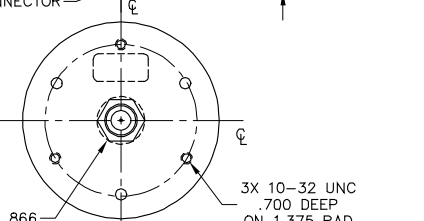
(900-930) MHz, (2.4-2.5) GHz, Other Frequencies and Connectors are Available. *Depth Rate = 10 Km (1455 PSI)*

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. UNLESS INDICATED OTHERWISE, THE USE OF THIS INFORMATION IS LIMITED TO THE ORIGINAL MANUFACTURE OR REPRODUCTION OF THIS PRODUCT. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

REVISIONS			
ZONE	REV	DESCRIPTION	DATE
A		VSWR 2:1	11/14/14
B		ANTENNA HEIGHT	05/15/15

SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	(0.161 - 0.163) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	(-1.6 to 0) dBil
Elevation Beam Width (3dB):	(50 to 70) °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt

MECHANICAL:

SIZE: BASE DIAMETER = 3.56 in. (90.5 mm),
HEIGHT = 10.00 in. (254.00mm)

WEIGHT: 1.75 lbs. (798 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BASE IRIDITE PER MIL-C-5441

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

CONNECTOR: DGO FEMALE
(OPTION: SMA, TNC, N, 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, DO-228, MIL-C-5541,
MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-1.1L2-100

FREQUENCY (GHz): 0.161-0.163; (161-163) MHz	POLARIZATION: V: VERTICAL	CONNECTOR: S: SMA; P: PINS	COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B
0.174-0.180; (174-180) MHz	L: LHCP	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #38320 PER FED-STD-595B
0.180-0.186; (180-186) MHz	R: RHCP	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
0.186-0.192; (186-192) MHz		T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
0.192-0.198; (192-198) MHz		DGO: DGO	-5: TAN #33446 PER FED-STD-595B
X.XX-Y.YY;(X.XX-Y.YY) GHz			UU: Gray Color Teflon Coating

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	REV
3	SCREW, 10-32, 3.5"L (Item544-325)	91771A844	-	2

P/N: 103-0.161-0.163V-XDGO-UU

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE DECIMALS AND ANGLES	ORIGINAL DRAWN S. HUYNH Mar-21-07	ANTCOM CORP. (161-163) MHz VHF OMNI ANTENNA								
FRACTIONS ± 1/64 DECIMALS ± .005 ANGLES ± 1°	ORIGINAL DESIGNED S. HUYNH Mar-21-07									
TOLERANCE 5YF PER ANSI Y14.5	UPDATED S. HUYNH Mar-18-14									
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILE TO .001 TO .005 CHECK FINISHES PER MIL-S-8878 94% ON A COINER ± .0005 MACHINED SURFACES	UPDATE DRAWN P. TRAN Mar-18-14									
DO NOT SCALE DRAWING	APPROVED S. HUYNH Mar-18-14	<table border="1" style="width: 100%;"> <tr> <td>REV</td> <td>DATE</td> <td>DESCRIPTION</td> <td>BY</td> </tr> <tr> <td>D</td> <td>3CVE1</td> <td>103-0.161-0.163V-XDGO-UU</td> <td>B</td> </tr> </table>	REV	DATE	DESCRIPTION	BY	D	3CVE1	103-0.161-0.163V-XDGO-UU	B
REV	DATE	DESCRIPTION	BY							
D	3CVE1	103-0.161-0.163V-XDGO-UU	B							

SCALE 1/1	SHEET 1 OF 1
-----------	--------------

NMO Connector Option is Now Available for Some Antennas