



(130 – 170)/(400 - 470) MHz Dual VHF/UHF Antenna for Deep Sea Applications

P/N: 152-013017-040047V-XDGO-UU (For DGO Connectors)

P/N: 152-013017-040047V-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>



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REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(130 - 170) / (400 - 470) MHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	1/4 Wave Monopole
Elevation Beam Width (3dB):	(50 to 70) °
Azimuth Beam Width (3dB):	360 °
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt

MECHANICAL:

SIZE: BASE DIAMETER = 2.692 in. [68.38 mm], HEIGHT = 15.00 in [381.00mm]

WEIGHT: 1.8 lbs. (816 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, D0-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

ACCEPTANCE TEST PROCEDURE: ATP-GPS-4.1L2-100

FREQUENCY (GHz)	POLARIZATION:	CONNECTOR:	COLOR:
013017: (130-170) MHz	V: VERTICAL	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.174-0.180: (174-180) MHz	L: LHCP	N: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 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
D40047: (400-470) 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	ITEM NO
1	O-RING	AS568A-023, Item 553-023		2
3	SCREW, 10-32, 1.125"L	91772A834, Item 544-834		1

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

PARTS LIST	
ORIGINAL DRAWN	S. HUYNH Sept-30-14
ORIGINAL DESIGNED	S. HUYNH Sept-30-14
UPDATED	S. HUYNH July-28-15
UPDATE DRAWN	P. TRAM July-28-15
APPROVED	S. HUYNH July-28-15

ANTCOM CORP. TORRANCE, CALIFORNIA

(130-170)/(400-470) MHz
VHF/UHF OMNI ANTENNA

REV: D PART NO: 152-013017-040047V-XDGO-UU SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas