



(900-930) MHz GSM/ISM/UHF Antenna for Deep Sea Applications

P/N: 103-0.90-0.93V-XDGO-UU (For DGO Connectors)

P/N: 103-0.90-0.93V-XX-2-UU (For Other Connectors)

(161-163) MHz, (2.4-2.5) GHz, Other Frequencies and Connectors are Available. *Depth Rate = 10 Km (14555 PSI)*

ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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Dimensions: $\phi 3.562$ [$\phi 90.48$], $\phi 1.000$ [$\phi 25.40$], $3 \times \phi .201$ [$\phi 5.11$], $\phi .385$ [$\phi 9.78$] X 100° EQUALLY SPACED ON R1.344, 6.972 [177.09], 10.000 [254.00], 2.730 [69.35], 2.600 [66.04], .428 [10.88], .70 [17.78], CLEARANCE DIA. .866, 3X 10-32 UNC .700 DEEP ON 1.375 RAD

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		VSMR 2:1	11/14/14	S.H.
B		ANTENNA HEIGHT	05/15/15	S.H.

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(900-930) MHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	> 2.1 dBi
ELE. BEAM WIDTH:	1 ELEMENT DIPOLE
AZ. BEAM WIDTH:	360 deg.
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt

MECHANICAL:

SIZE: BASE DIAMETER = 3.56 in. [90.5 mm], HEIGHT = 10.00 in. [254.0 mm]

WEIGHT: 1.681 lbs. (762 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)	POLARIZATION:	CONNECTOR:	COLOR:
0.31-0.40: (310-400) MHz	V: VERTICAL	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.35-0.40: (350-400) MHz	L: LHCP	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #38320 PER FED-STD-595B
0.40-0.45: (400-450) MHz	R: RHCP	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
0.85-1.80: (850-1900) MHz		T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
1.20-2.50: (1200-2500) MHz		DGO: DGO	-5: TAN #33446 PER FED-STD-595B
XX-XX.YY:(XX-XX.YY) GHz			UU: Gray Color Teflon Coating

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	REV
2	SCREW, 10-32, 3.5"L (Item544-325)	91771A844	-	1

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES DECIMALS AND ANGLES	S. HUYNH Mar-21-07 S. HUYNH Mar-21-07 S. HUYNH Mar-18-14 P. TRAN Mar-18-14 S. HUYNH Mar-18-14
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ANTCOM CORP. TORRANCE, CALIFORNIA	
GSM/ISM/VHF OMNI ANTENNA	
SCALE 1/1	SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas