



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

P/N: 102-0.90-0.93V-XDGO-UU (For DGO Connectors)

P/N: 102-0.90-0.93V-XX-2-UU (For Other Connectors)

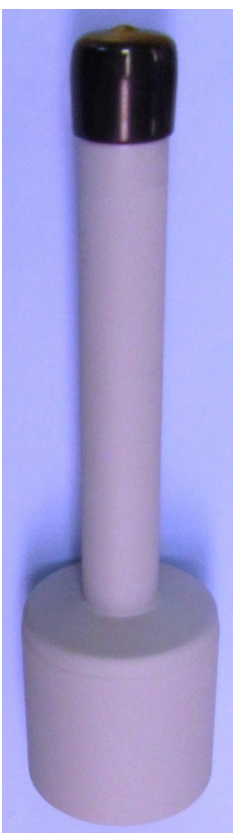
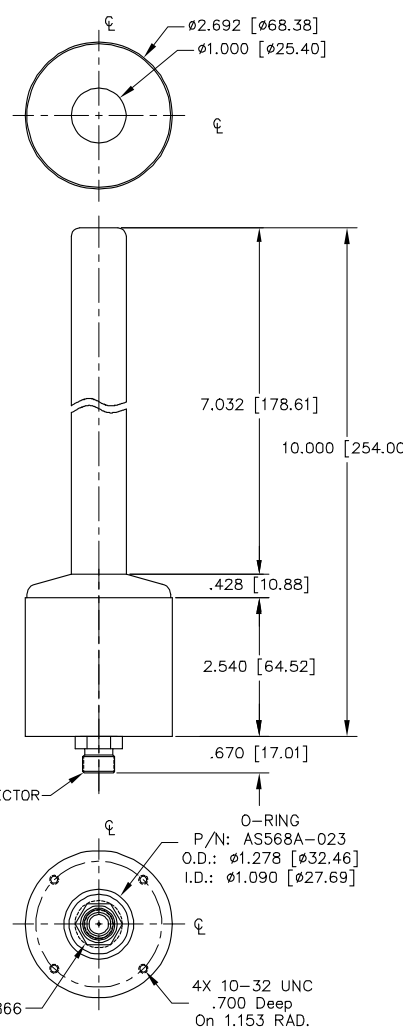
(161-163) MHz, (2.4-2.5) GHz, Other Frequencies and Connectors are Available. *Depth Rate = 10 Km (14555 PSI)*

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



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**SPECIFICATIONS**

ZONE	REV	DESCRIPTION	DATE	APPROVED

**ELECTRICAL:**

FREQUENCY:	(900-930) MHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	< 1.5:1
GAIN (dB):	>2.1 dBil
ELE. BEAM WIDTH:	1 ELEMENT DIPOLE
AZ. BEAM WIDTH:	360 deg.
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt

**MECHANICAL:**

SIZE: BASE DIAMETER = 2.692 in. [68.38 mm],  
HEIGHT = 10.00 in. [254.0 mm]

WEIGHT: 1.4 lbs. (635 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-L1L2-100

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: MCM; MM: MMCM	-2: LUSTERLESS GRAY #36320 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
0.85-1.90: (850-1900) MHz		T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
1.20-2.60: (1200-2500) MHz		DGO: DGO	-5: TAN #33446 PER FED-STD-595B
X.XX-Y.YY:(X.XX-Y.YY) GHz			UU: Gray Color Teflon Coating

P/N: 102-0.90-0.93V-XDGO-UU

QTY	DESCRIPTION	PART NO	MATERIAL	REV
1	O-RING	AS568A-023, Item 553-023		2
4	SCREW, 10-32, 1.125"L	91772A834, Item 544-834		1

**ANTCOM CORP.** TORRANCE, CALIFORNIA

GSM/ISM/VHF  
OMNI ANTENNA

UNLESS OTHERWISE SPECIFIED  
DIMENSIONS ARE IN INCHES  
FRACTIONS SHALL BE IN 16ths  
± 1/64  
DECIMALS ± .005  
ANGLES ± 1°

TOLERANCE SYM PER ANSI Y14.5  
BREAK EXTERNAL EDGES .005 TO .015  
FILES & POL TO R .010  
SCREW THREADS PER MIL-S-8878  
DATE ON A COMBINE & OF .005  
MACHINED SURFACES ± .005

ORIGINAL DRAWN S. HUYNH Mar-21-07  
ORIGINAL DESIGNED S. HUYNH Mar-21-07  
UPDATED S. HUYNH Sep-1-14  
P. TRIAN Sep-1-14  
UPDATE DRAWN S. HUYNH Sep-1-14  
APPROVED S. HUYNH Sep-1-14

DO NOT SCALE DRAWING

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas