



ISO 9001:2008/FAA Approved Facility

(2.40-2.50) GHz, S-Band Antenna for Deep Sea Applications

P/N: 102-2.40-2.50V-XDGO-UU-5dB2 (For DGO Connectors)

P/N: 102-2.40-2.50V-XX-2-UU-5dB2 (For Other Connectors)

(161-163) MHz, (900-930) MHz, Other Frequencies and Connectors are Available. *Depth Rate = 10 Km (14555 PSI)*

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>

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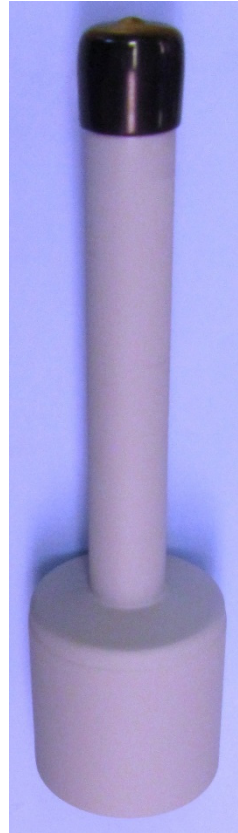
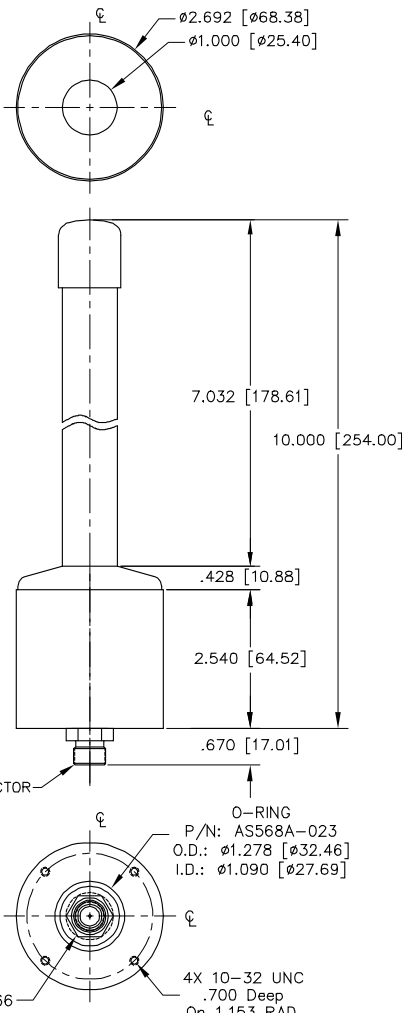
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DGO CONNECTOR

O-RING
P/N: AS568A-023
O.D.: Ø1.278 [Ø32.46]
I.D.: Ø1.090 [Ø27.69]

CLEARANCE DIA. .866

4X 10-32 UNC
.700 Deep
On 1.153 RAD.

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(2.40-2.50) GHz
RADIATION PATTERN:	OMNI
POLARIZATION:	VERTICAL
VSWR:	2.0:1
GAIN (dB):	(3 to 5) dBil
ELE. BEAM WIDTH:	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 [254.00mm]

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

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

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
FILLET R .005 TO R .010
SCREW THREADS PER MIL-S-8879
DATE ON A COMBINE 6 OF 005
MACHINED SURFACES 1/2

DO NOT SCALE DRAWING

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FREQUENCY (GHz): 1.61-1.63; (1610-1630) MHz; 1.61-1.85; (1610-1850) MHz; 1.80-1.99; (1800-1990) MHz; 2.40-2.50; (2400-2500) MHz; 4.40-5.85; (4400-5850) MHz; X,XX-Y,YY;(X,XX-Y,YY) GHz

POLARIZATION: V: VERTICAL; L: LHCP; R: RHCP

CONNECTOR: S: SMA; P: PINS; M: MCX; MM: MMCX; N: N; NB: N-Bulkhead; T: TNC; TB: TNC-Bulkhead; DGO: DGO

COLOR: -1: GLOSS WHITE #17925 PER FED-STD-595B; -2: LUSTERLESS GRAY #36320 PER FED-STD-595B; -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B; -4: LUSTERLESS BLACK #37038 PER FED-STD-595B; -5: TAN #33446 PER FED-STD-595B; UU: Gray Color Teflon Coating

P/N: 102-2.40-2.50V-XDGO-UU-5dB

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ANTCOM CORP. TORRANCE, CALIFORNIA

S-Band
OMNI ANTENNA

REV: 3C
DATE: 8/25/16
DRAWN BY: P. TRIAN
CHECKED BY: S. HUYNH
APPROVED BY: S. HUYNH
SCALE: 1/1

SHEET 1 OF 1

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