



(4.4 - 5.1) GHz **Omni-Directional Antenna**, P/N: 52-4.4-5.1V-O-XS-2
for 802.11RF Ranging, and Video/Data link Applications



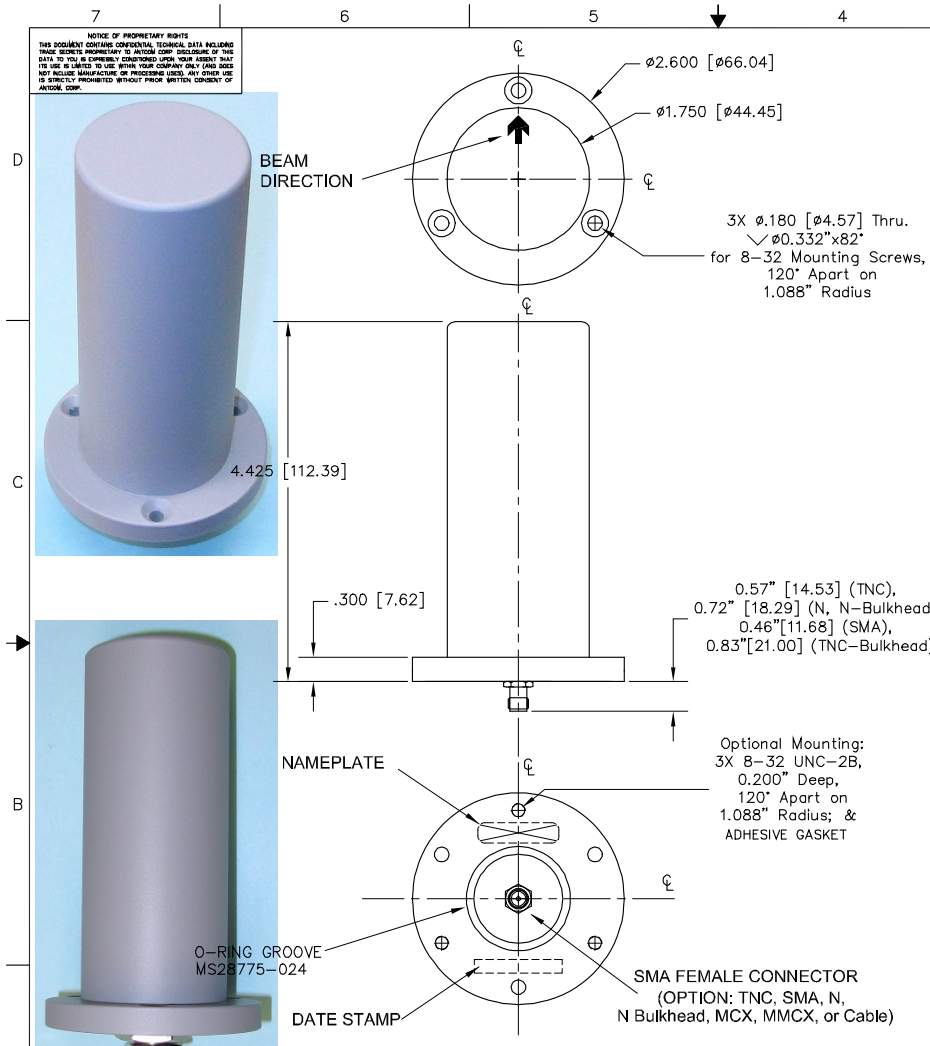
Other Frequencies, Connector and Color Options are Available

ISO 9001:2008/FAA Approved Facility

Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

FREQUENCY:	(4400 - 5100) MHz
RADIATION PATTERN:	OMNI-DIRECTIONAL
POLARIZATION:	VERTICAL
VSWR:	< 2.0:1
GAIN (dB):	4 dBi
Elevation Beam Width (3dB):	30 °
Azimuth Beam Width (3dB):	360 °
X-POL LEVEL:	-16 dB
IMPEDANCE:	50 Ohms
POWER HANDLING:	200 Watt
DC GROUNDING:	YES (LIGHTNING PROTECTION)

MECHANICAL:

SIZE:	DIAMETER = 2.60 in. [66.04 mm] HEIGHT = 4.425 in. [112.39 mm]
WEIGHT:	4.00 oz. (113 g)
FINISH:	SKYDROL RESISTANT POLYURETHANE ENAMEL TOP, BLACK ANODIZED BASE
COLOR:	GLOSS WHITE #17925 PER FED-STD-595B LUSTERLESS GRAY #36320 PER FED-STD-595B OLIVE DRAB GREEN #34031 PER FED-STD-595B LUSTERLESS BLACK #37038 PER FED-STD-595B
MATERIAL:	6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR:	SMA FEMALE (OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)
MOUNTING:	FIXED MOUNT: FROM TOP OR BOTTOM

ENVIRONMENTAL:

TEMPERATURE:	-67 °F TO +185 °F [-55 °C TO +85 °C]
ALTITUDE:	70,000 ft
VIBRATION:	> 30 G's
LEAKAGE:	HERMETICALLY SEALED

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

CONFIGURATION	POLARIZATION:	BEAM PATTERN:	CABLE LENGTH:	CONNECTOR:	COLOR:
2: 2.6" DIA. BASE	V: VERTICAL	F: FAN BEAM	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
3: 3.5" DIA. BASE	L: LHCP	O: OMNI	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
B: 5" BLADE	R: RHCP		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
			R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
					-5: DESERT TAN #33446 PER FED-STD-595B

QUANTITY	DESCRIPTION	PART NO	FINISH	TYP
3	MOUNTING SCREWS: 8-32 82°, Flat Head, 1/2"	91500A194	-	3
1	ADHESIVE GASKET	123456-3M-3G	-	2
1	O-RING	MS28775-024	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	ORIGINAL DRAWN	S. HUYNH	FEB-11-04
FRACTIONS TO 1/64 DECIMALS TO .005 ANGLES TO 1°	ORIGINALLY DESIGNED <td>S. HUYNH <td>FEB-11-04 </td></td>	S. HUYNH <td>FEB-11-04 </td>	FEB-11-04
TOLERANCE SYM PER ANSI Y14.5	UPDATED <td>S. HUYNH <td>May-24-16</td> </td>	S. HUYNH <td>May-24-16</td>	May-24-16
REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILED & .005 TO .010 DEEP FINISHED PER DIA'S ON A COMMON & .005 MACHINED SURFACES 12X	UPDATE DRAWN <td>P. TRAN <td>May-24-16</td> </td>	P. TRAN <td>May-24-16</td>	May-24-16
DO NOT SCALE DRAWING	APPROVED <td>S. HUYNH <td>May-24-16</td> </td>	S. HUYNH <td>May-24-16</td>	May-24-16

ANTCOM CORP. TORRANCE, CALIFORNIA

(4.4-5.1) GHz, C-BAND
OMNI BEAM ANTENNA

DATE	30VE1	52-4.4-5.1V-O-XS-2	REV	-
SCALE	1/1		SHEET	1 OF 1

NOTES: UNLESS OTHERWISE SPECIFIED:
1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

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NMO Connector Option is Now Available for Some Antennas