



(4.8 - 6.8) GHz Omni-Directional Antenna, P/N: 52-4.8-6.8V-O-XTB-2 (Gray)

for 802.11RF Ranging, and Video/Data link Applications

Other Frequencies, Connector and Color (-4: Black, -1: White) Options are Available



ISO 9001:2008/FAA Approved Facility

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

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BEAM DIRECTION

NAMEPLATE

O-RING GROOVE
MS28775-024

DATE STAMP

TNC BULKHEAD CONNECTOR
(OPTION: TNC, SMA, N, N Bulkhead, MCX, MMCX, or Cable)

SPECIFICATIONS

ELECTRICAL:

FREQUENCY:	(4800 - 6800) 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: TNC BULKHEAD CONNECTOR
(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

3	MOUNTING SCREWS: 8-32 82 ° Flat Head, 1/2"	91500A194	-	3
1	ADHESIVE GASKET	12346G-3M-3G	-	2
1	O-RING	MS28775-024	-	1

QUANTITY REQD	DESCRIPTION	PARTS LIST	PART NO	FINISH	TRN NO
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
FRACTIONS ARE IN 16THS					
TOLERANCES ARE:	ANGLES	ORIGINAL DRAWN	S. HUYNH	FEB-11-04	
± 1/64	± .010	ORIGINAL DESIGNED	S. HUYNH	FEB-11-04	
± .005	± .005	UPDATED	S. HUYNH	May-24-18	
TOLERANCE SURF PER ANSI Y14.5		UPDATE DRAWN	P. TRAN	May-24-18	
RELIEVE ALL SHARP		APPROVED	S. HUYNH	May-24-18	
BREAK EXTERNAL EDGES .005 TO .015					
FILETS R .005 TO R .010					
SCREW THREADS PER MIL-STD-8878					
DATA ON A COMMON 8.27.005					
MACHINED SURFACES 125					
DO NOT SCALE DRAWING					

NOTES: UNLESS OTHERWISE SPECIFIED:

- DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
- ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

P/N: 52-4.8-6.8V-O-XTB-4

NMO Connector Option is Now Available for Some Antennas