



(410-470) MHz, UHF Antenna, P/N: 4UHF-410-470-XN-1

4.6" Tall Blade, N Connector Configuration



FAA Approved
TSO Antennas

ISO 9001:2008/FAA Approved Facility 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>

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR AGREEING THAT ITS USE IS LIMITED TO THE USE WITHIN YOUR COMPANY ONLY AND DOES NOT INCLUDE REPRODUCTION OR DISSEMINATION. ANY OTHER USE IS EXPRESSLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

REVISIONS			
ZONE	REV	DESCRIPTION	DATE

D

C

A

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

DATE STAMP APPROXIMATE LOCATION AS SHOWN

NAME PLATE

O-RING GROOVE MS28775-024

4X ϕ .20 [ϕ 5.11] ∇ ϕ .385 [ϕ 9.78] X 100° FARSIDE

SPECIFICATIONS

ELECTRICAL:

FREQUENCY: UHF
 PATTERN: (XXX-YYY) MHz (SEE PART NUMBER BELOW)
 POLARIZATION: OMNIDIRECTIONAL
 ANTENNA GAIN: VERTICAL
 RADIATION PATTERN: > 1.5 dB
 VSWR: Omni-Directional
 OUTPUT IMPEDANCE: 2.0:1
 POWER HANDLING: 50 \square
 100 watts

MECHANICAL:

SIZE: WIDTH 1.75 in. [44.45 mm], LENGTH 5.25 in. [133.35 mm], HEIGHT 4.77 in. [121.16 mm]
 WEIGHT: 8.0 oz. (.227 Kg)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5441
 COLOR: LUSTERLESS GRAY #36320 PER FED-STD-595B
 GLOSS WHITE #17925 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
 THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE
 CONNECTOR: N-FEMALE BULKHEAD (OPTION: TNC, TNC Bulkhead, SMA, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67°F to +185°F [-55°C to +85°C]
 ALTITUDE: 70,000 ft.
 VIBRATION: 10 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: DO-160D, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

P/N: 4UHF-410-470-XN-1

SIZE	START FREQ. (MHz)	STOP FREQ. (MHz)	DC BLOCK/LIMITER	LNA
1: 2" SQ.	310, 350, 370, 400,	310, 350, 370, 400,	DL: WITH DC BLOCK & WITH LIMITER	A1: WITH +23 dB LNA & WITH LIMITER
1.8: 1.8" SQ.	410, 425, 450, 470,	410, 425, 450, 470,	BLANK WITHOUT DC BLOCK/NOR LIMITER	A2: WITH +43 dB LNA
2: 2.6" DIA.	500, 820, 990, 1300	500, 820, 990, 1400		P: WITHOUT LNA
3: 3.5" DIA.	1500, 1600, 1700	1550, 1650, 1750		
4: MINI ARINC	1800, 1990, 2400	1850, 1990, 2500		
5B: Blade, 63 Rod	xxxx	xxxx		

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TEMP. REQ.
4	SCREW, MOUNTING	MS24693C273	-	-	-	2
1	O-RING	MS28775-024	-	-	-	1
-1						

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES TOLERANCE SIN PER ANS Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILETS R .005 TO R .030 CREW THROUGHS PER MIL-STD-883F DIA'S ON A COMMON ϕ .001 .005 MACHINED SURFACES ∇ DO NOT SCALE DRAWING

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

2. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

3. MOUNTING HOLE PATTERN COMPLIES WITH BOEING L-BAND AIRBORNE ANTENNAS

NOTES: UNLESS OTHERWISE SPECIFIED:

7

6

5

4

3

2

1

NMO Connector Option is Now Available for Some Antennas