



UHF Antenna, P/N: 5R-0.41-0.47P-XN-X:

1.125" Diameter x 5" Tall, N-Bulkhead-Mount Antenna Configuration



ISO 9001:2008/FAA Approved Facility

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

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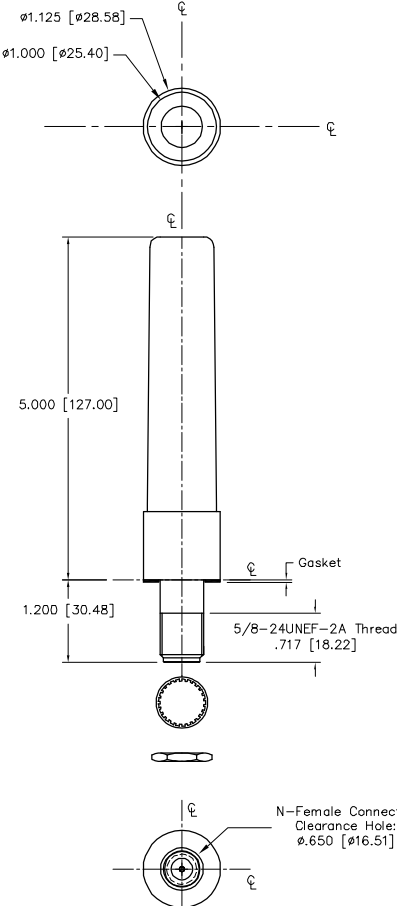
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N-Female Connector
Clearance Hole:
ø.650 [ø16.51]

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	UHF (350-400) (410-470) (810-960)	or UHF/L/S-BAND (800-3000) MHz
PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN :	> 2 dB	
VSWR:	1.7:1	2.0:1
OUTPUT IMPEDANCE:	50Ω	
POWER HANDLING:	100 watts (Without LNA)	
LNA OPTION:	GAIN: 20 dB, NF: 4.1 dB, OP1dB: +18dB, OIP3: +33dB DC: (5 to 24) Volt @ <70mA	

MECHANICAL:

SIZE: DIAMETER = 1.125 in. [29 mm]
HEIGHT = 5.00 in. [127 mm]

WEIGHT: 4.00 oz. (113g)

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-BULKHEAD FEMALE
(TNC, N, AND OTHERS ARE OPTIONAL)

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-810E

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CONFIGURATION: 52: 2.6inDiameterBase

FREQUENCY:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
0.31-0.40: (310-400) MHz	A: WITH +20 dB LNA	X: NO CABLE	S: SMA; RS: R-SMA; Q: OMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
0.35-0.40: (350-400) MHz	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
0.41-0.47: (410-470) MHz		#: CABLE LENGTH (IN)	N: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
0.81-0.96: (810-960) MHz		R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
0.85-1.90: (850-1900) MHz				
1.33-1.54: (1332-1540) MHz				
1.61-1.85: (1610-1850) MHz				
1.61-2.50: (1610-2500) MHz				
2.40-2.50: (2400-2500) MHz				
0.80-3.00: (800-3000) MHz				
XXX-Y.YY: (X.XX-Y.YY) GHz				

1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS DECIMALS ANGLES TOLERANCES ARE ± 1/64 .XXX ± .005 ± 1°					
	REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-F-8879 DIA'S ON A COMMON ± .0005 MACHINED SURFACES ± .0005					
	DO NOT SCALE DRAWING					

P/N: 5R-0.41-0.47P-XN-4

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QUANTITY REQD

PARTS LIST

ANTCOM CORP. TORRANCE CALIFORNIA

UHF, or UHF/L/S-BAND
ACTIVE or PASSIVE OMNI ANTENNA

APPROVED: S. HUYNH
Sep-04-07

SIZE: D 3CVE1
SCALE: 1/1

DRAWING NO: 5R-0.41-0.47P-XN-4
SHEET 1 OF 1

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NMO Connector Option is Now Available for Some Antennas