



# Wide-Band UHF Antenna

P/N: 52W-0.xx-0.yyP-XTB-1 Rev C ((xxx-yyy)MHz, TNC Bulkhead)

P/N: 52W-0.45-0.52P-XTB-1-BB ((450-520)MHz, TNC Bulkhead)



4.5" Tall Rod, Top Mount Configuration, Other Frequencies, Connectors and Colors 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
C		NEW BASE	02/11/16	S.H

**ELECTRICAL:**

	UHF	GSM/PCS/L-BAND
FREQUENCY (MHz):	(310-400) / (350-450)	(800-1990) / (1332-1540)
	(400-450) / (810-960)	(1610-1850) / (1800-1990)
PATTERN:	OMNIDIRECTIONAL	
POLARIZATION:	VERTICAL	
ANTENNA GAIN:	> 2 dB	
VSWR:	2.0:1	
OUTPUT IMPEDANCE:	50 Ω	
POWER HANDLING:	>50 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: TOP= 0.500 in [12.70 mm], BOTTOM= 1.75 in [44.45 mm]  
HEIGHT: 4.463 in. [113.36 mm]

WEIGHT: <1.8 oz. (51g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL  
BASE IRIDIUM PER MIL-C-5441

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE  
THERMOSET PLASTIC RADOME, UV, ABRASION AND SKYDROL RESISTANCE

CONNECTOR: TNC BULKHEAD  
(OPTIONAL: SMA, N)

**ENVIRONMENTAL:**

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

**FEDERAL & MILITARY SPECIFICATIONS:**

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

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QUANTITY REQD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
	GASKET	-	-	-	-	
	PARTS LIST					

**FREQUENCIES:**

0.31-0.40: (310-400) MHz
0.35-0.40: (350-450) MHz
0.40-0.45: (400-450) MHz
0.81-0.98: (810-960) MHz
0.85-1.50: (850-1500) MHz
1.33-1.54: (1332-1540) MHz
1.81-1.85: (1810-1850) MHz
1.85-1.99: (1850-1990) MHz
X.XX - Y.YY: (X.XX - Y.YY) GHz

**LNA:**

A: WITH +20 dB LNA
P: WITHOUT LNA

**CONNECTOR:**

S: SMA FEMALE
T: TNC FEMALE
TB: TNC-BLK
N: N FEMALE

**COLOR:**

-1: GLOSS WHITE #17825 PER FED-STD-595B
-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
-3: CAMO GREEN #34094 PER FED-STD-595B
-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
-5: DESERT TAN #33446 PER FED-STD-595B

**P/N: 52W-X.XX-Y.YYP-XTB-4**

**ANTCOM CORP.** TORRANCE CALIFORNIA

OUTLINE DRAWING:  
WIDE-BAND UHF ANTENNA

SIZE	CASE NO	DRAWING NO	REV
D	3CVE1	52W-X.XX-Y.YYP-XX-X	C

SCALE 1/1 SHEET 1 OF 1

DO NOT SCALE DRAWING