



ISO 9001:2008/FAA Approved Facility

UHF, GSM/PCS/L-Band, L/S, S, or C-Band Antenna,

P/N: 5W-X.XX-Y.YYP-XX-X

2.6, 4.1, and 6.1in Tall x 0.5" Dia. Rod Configuration



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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

	UHF	GSM/PCS/L-BAND	L/S-BAND	S-BAND	C-BAND
FREQUENCY (MHz):	(310-400) (350-450) (400-450) (810-960)	(800-1990) (1332-1540) (1610-1850)	(1610-2500)	(2400-2500)	(4400-5850)
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				

SIZE: DIAMETER: TOP= 0.500 in [12.70 mm]
HEIGHT: 1 in [25.4mm] (C-Band), 2.5 in [63.5mm] (S-Band), 4.5 in [35.5mm] (L/UHF Band), See Part Number Below

WEIGHT: UHF: 1.2 oz. (34g); L-Band: 0.8 oz. (22g); S-Band: 0.6 oz. (17g); C-Band: 0.5 oz. (14g). (for SMA: Reduce 0.32 oz (9g) for All Antennas.)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
BLACK ANODIZE PER MIL-A-8625F

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: BULKHEAD FEMALE TNC (P1)
(SMA, N, AND OTHERS ARE OPTIONAL)

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

OPTION FOR SEPARATE SPRING LOADED ADAPTER:
P/N: TNC-M-SL-2in-TNC-F

TNC-BULKHEAD CONNECTOR (OPTION: MMCX, MCX, SMA, TNC, N, N Bulkhead, or Cable)
Clearance Hole: 0.4" Dia.
for SMA, MCX, & MMCX Con.
0.52" Dia. for TNC Con.
0.63" Dia. for N Con.

WITH RIGHT ANGLE SMA MALE

CONFIGURATION:	FREQUENCY:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
S2: WITH 1.75IN DIA. FLANGE	0.31-0.40: (310-400) MHz	A: WITH +20 dB LNA	X: NO CABLE	S: SMA FEMALE	-1: GLOSS WHITE #17925 PER FED-STD-595B
S: WITHOUT FLANGE	0.35-0.40: (350-400) MHz	P: WITHOUT LNA	M: WITH MAG. MOUNT	SM: SMA MALE	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
	0.40-0.45: (400-450) MHz		#: CABLE LENGTH (IN)	T: TNC FEMALE; TB: TNC B-Head	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
	0.81-0.96: (810-960) MHz		TM: TNC MALE	-4: Natural Black Color from Ultem 2200 Black (20% Glass)	-4: Natural Black Color from Ultem 2200 Black (20% Glass)
	0.85-1.90: (850-1900) MHz		R: RIGHT ANGLE CON.	N: N FEMALE; B: BNC FEMALE	-5: DESERT TAN #33446 PER FED-STD-595B
	1.33-1.54: (1332-1540) MHz			NM: N MALE; BN: BNC MALE	
	1.61-1.85: (1610-1850) MHz				
	1.61-2.50: (1610-2500) MHz				
	2.40-2.50: (2400-2500) MHz				
	4.40-5.85: (4400-5850) MHz				
	X.XX - Y.YY: (X.XX - Y.YY) GHz				

P/N: 5W-X.XX-Y.YYP-XTB-4

1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	1	
QUANTITY REQD	PARTS LIST					ITEM NO	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES TOLERANCES ARE:		ANTCOM CORP. TORRANCE CALIFORNIA UHF, GSM/PCS/L-BAND, L/S, S, C-BAND OMNI ANTENNA				REV	
FRACTIONS	DECIMALS						ANGLES
± 1/64	.xxx ± .005						± 1°
TOLERANCE SYM PER ANSI Y14.5							
REMOVE ALL BURRS	CHECKED					SIZE	
BREAK EXTERNAL EDGES .005 TO .015	ENGINEER						
FILLETS R .005 TO R .030	APPROVED S. HUYNH					CAGE NO	
SCREW THREADS PER MIL-S-8879	April-05-05						
DIA'S ON A COMMON & .0005	CAD FILE NO					DRAWING NO	
MACHINED SURFACES	DO NOT SCALE DRAWING						
		SCALE 1/1		SHEET 1 OF 1			