



FAA Approved Facility

UHF, GSM/PCS/L-Band, L/S, S, or C-Band Antenna, P/N: 52W-X.XX-Y.YYP-XX-X 1, 2.5", and 4.5" Tall Rod Configuration LNA Options is Available

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



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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	UHF (310-400) (400-450) (350-450)	GSM/PCS/L-BAND (1332-1540) (1610-1850) (1800-1990)	L/S-BAND (1500-2500) (1200-2500)	S-BAND (2400-2500)	C-BAND (4400-5850) (3675-5125)
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: 1.4-4.1 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: 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: 1.8 oz. (52g); L-Band: 1.4oz. (40g); S-Band: 1.2oz. (34g); C-Band: 1.1oz. (31g). (for SMA: Reduce 0.32 oz (9g) for All Antennas)

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: BULKHEAD FEMALE TNC (P1)
(SMA, 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

CONFIGURATION:
52: WITH 1.75IN DIA. FLANGE
5: WITHOUT FLANGE
(Reduce the Weight by 0.61oz (17g))

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: QMA	-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
0.40-0.45: (400-450) MHz		#: CABLE LENGTH (IN)	N: N, NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
0.81-0.95: (810-950) 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				
1.20-2.50: (1200-2500) MHz				
1.33-1.54: (1332-1540) MHz				
1.61-1.85: (1610-1850) MHz				
1.50-2.50: (1500-2500) MHz				
1.80-1.90: (1800-1900) MHz				
2.40-2.50: (2400-2500) MHz				
4.40-5.85: (4400-5850) MHz				
X.XX-Y.YY (X-XX-Y.YY) GHz				

CONFORMAL RADIUS OPTION:

- 3: 3.000" RADIUS (SDBII)
- 3.5N: 3.500" RADIUS (NETFIRE, GMLRS)
- 4P: 4.000" RADIUS (PAVEWAY)
- 6M: 6.000" RADIUS (MAVERICK)
- 7.5E: 7.500" RADIUS (EGBU, MALD)
- 14A: 14.00" RADIUS (ACM)
- X: X" RADIUS (0: Flat, No Radius)

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

TOLERANCES ARE: ANGLES ± 1/64 .XXX ± .015 ± .1"

TOLERANCE SYM PER ANSI Y14.5

REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLET R .005 TO .030
SCREW THREADS PER MIL-S-8879
DIA'S ON A COMM. 2.57 ± .005

MACHINED SURFACES $\sqrt{}$

DO NOT SCALE DRAWING

CONFIRMATION:

DATE: _____

BY: _____

ANTCOM CORP. TORRANCE CALIFORNIA

UHF, GSM/PCS/L-BAND, L/S, S, C-BAND OMNI ANTENNA

APPROVED: S. HUYNH April-05-05

CAD FILE NO: _____

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas

P/N: 52W-X.XX-Y.YYP-XS-4-5