



ISO 9001:2008/FAA Approved Facility

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

P/N: 52W-X.XX-Y.YYP-XX-4-SL Rev E

2.8, 4.3, and 6.3in Tall x 0.5" Dia. Rod Spring Loaded With Flange Configuration

LNA, Other Color and Connector Options are Available

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



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C-Band: 2.80in
S-Band: 4.28in
L/UHF Band: 6.28in

SPRING LOADED
with Rubber Dirt Cover

TNC MALE CONNECTOR
(OPTION: N, SMA, BNC)

P/N: 52W-2.40-5.80P-XS-4-SL

SPECIFICATIONS

ZONE	REV	DESCRIPTION	REVISIONS				
			DATE	APPROVED			
E		with DIRT COVER	FEB-01-11	S.H			

ELECTRICAL:

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

MECHANICAL:

SIZE: DIAMETER: TOP= 0.500 in [12.70 mm]
HEIGHT: 2.80in [66mm] (C-Band), 4.28in [104mm] (S-Band), 6.28in [155mm] (L/UHF Band)

WEIGHT: UHF: 1.5 oz. (42g); L-Band: 1.1 oz. (30g); S-Band: 0.9 oz. (25g); C-Band: 0.8 oz. (22g)
(for SMA: Reduce 0.32 oz (9g), for N Connector: Add 0.5 oz (15g))

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: TNC MALE
(OPTION: SMA, N, BNC AND OTHERS)

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

1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES					
	FRACTIONS: ± 1/64					
	DECIMALS: .005					
	ANGLES: ± 1°					
	TOLERANCES ARE:					
	REMOVE ALL BURRS					
	BREAK EXTERNAL EDGES .005 TO .016					
	FILLETS R .005 TO R .030					
	SCREW THREADS PER MIL-S-8879					
	DIA'S ON A COMMON SIZE .005					
	MACHINED SURFACES: 25/					
	DO NOT SCALE DRAWING					

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	0.35-0.49: (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		W: CABLE LENGTH (IN)	T: TNC FEMALE	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
	0.81-0.95: (810-960) MHz		R: RIGHT ANGLE CON.	TM: TNC MALE	-4: Neutral Base Color from Ultem 2200 Black (20% Glass)
	0.85-1.90: (850-1900) MHz			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				

DATE	BY	DESCRIPTION
Jan-31-11	S. HUYNH	ORIGINALY DRAWN
Jan-31-11	S. HUYNH	ORIGINALY DESIGNED
June-01-17	S. HUYNH	UPDATED
June-01-17	P. TRAN	UPDATE DRAWN
June-01-17	S. HUYNH	APPROVED

ANTCOM CORP.

TORRANCE, CALIFORNIA

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

SCALE 1/1 | SHEET 1 OF 1