



FAA Approved Facility

Antcom's UHF/GSM/WDL Antenna, (902-928) MHz, P/N: 2.3G09P-XS-4

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



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REV NO

REV 1

1

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SPECIFICATIONS

ELECTRICAL:	
FREQUENCY:	GSM (902 - 928) MHz
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 2:1
IMPEDANCE:	50 ohms
ANTENNA GAIN (dBic):	> 2 dB
POWER HANDLING:	150 W
LIGHTNING PROTECTION:	DC GROUNDING

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED
A		Release	08/26/09	S.H

MECHANICAL:

SIZE: 2.31 in. [58.56 mm] SQ.
HEIGHT: 0.37 in. [9.35 mm]

WEIGHT: 2.4 oz. (68 g)

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

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

CONNECTOR: SMA FEMALE (OPTION: PIN, TNC, TNC-Bulkhead, N, N-Bulkhead, MCX, MMCX, or Cable)

ENVIRONMENTAL:

TEMPERATURE: -67 °F TO +185 °F [-55 °C TO +85 °C]

ALTITUDE: 70,000ft.

VIBRATION: >30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS

DESIGN TO: FAA TSO-C144, DO-160D, DO-228, MIL-C-5541, MIL-E-5400, MIL-I-45208A, AND MIL-STD-810

1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
1	2.3" SQ. SQ. ANTENNA					1

ANTCOM CORP. TORRANCE, CALIFORNIA

2.3" SQUARE, UHF/GSM/WDL ANTENNA

SCALE 1/1

SHEET 1 OF 1

TABLES:

SIZE:	FREQ. BAND:	LNA:
1: 2" SQ.	1215: L1/L2	A2: WITH 20 dB LNA
1.9: 1.9" SQ.	15: L1 ONLY	A4: WITH 40 dB LNA
2.3: 2.3" SQ.	09: (902-928) MHz	P: WITHOUT LNA
2: 2.6" DIA.		P2: WITHOUT LNA, WITH RHCP/LHCP POLARIZATION
3: 3.5" DIA.		P2L: WITHOUT LNA, WITH DUAL LINEAR POLARIZATION

CABLE LENGTH:	CONNECTOR:	COLOR:
X: NO CABLE	S: SMA; P: P2-PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: MAG; N: NO MAG	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
#: CABLE LENGTH (IN)	N: NB; RS: R-SMA	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T, TB: TNC, TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

2. ADHESIVE GASKET IS SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS TO 16 DECIMALS ANGLES ± 1/64 .XXX ± .005 ± 1'

TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON & 2ND .005 MACHINED SURFACES 12.5

DO NOT SCALE DRAWING

NMO Connector Option is Now Available for Some Antennas