



UHF Antenna,
UHF Body Antenna,
UHF Antenna,
GSM/Cellular/PCS/UHF-Band Antenna,
PCS/L-Band Antenna,
S-Band Antenna,
S-Band Antenna2,

P/N: XXX-X-0.22-0.40-Ant (Item 307Tx, Sx, Bx, Nx, NBx),
P/N: XXX-X-0.22-0.40-Ant-Body (Item 307bTx, Sx, Bx, Nx, NBx),
P/N: XXX-X-0.31-0.45-Ant (Item 307T, S, B, N, NB),
P/N: XXX-X-0.81-1.99-Ant (Item 308T, S, B, N, NB),
P/N: XXX-X-1.20-2.50-Ant (Item 309T, S, B, N, NB),
P/N: XXX-X-1.50-2.50-Ant (Item 310T, S, B, N, NB)

P/N: XXX-X-2.02-2.07-Ant (Item 310GT, GS, GB) Giza, C-Band Antenna, P/N: XXX-X-4.40-5.85-Ant (Item 341T, S, B, N, NB)

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



ISO 9001:2008/FAA Approved Facility

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REV 1

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SPECIFICATIONS

		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	
C		Tolerance	Dec-23-09	S.H	

ELECTRICAL:

	UHF	L-BAND	L/S-BAND	S-BAND	C-BAND
FREQUENCY (MHz):	SEE PART NUMBER BELOW				
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: < 0.2 in
HEIGHT: SEE PART NUMBER BELOW

WEIGHT: UHF: 0.7 oz. (19g); L-Band: 0.3 oz. (9g); S-Band: 0.2 oz. (7g);
C-Band: 0.2 oz. (7g).

COLOR: BLACK

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

ENVIRONMENTAL:

TEMPERATURE: -87°F to +185°F [-66°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

CONNECTOR:

CONNECTOR:	FREQUENCY:	HEIGHT:
SMA-FB; SMA-M	0.31-0.40: (310-400) MHz	9.4in
MCX; MCX-FB	0.35-0.40: (350-400) MHz	
N; N-FB	0.40-0.45: (400-450) MHz	
TNC-M; TNC- FB	0.81-1.99: (810-960) MHz	3.5in
	0.87-1.99: (870-1990) MHz	2.7in
	1.20-2.50: (1200-2500) MHz	2.2in
	1.33-1.54: (1332-1540) MHz	
	1.61-1.85: (1610-1850) MHz	
	1.50-2.50: (1500-2500) MHz	1.9in
	1.80-1.99: (1800-1990) MHz	
	2.40-2.50: (2400-2500) MHz	
	4.40-5.85: (4400-5850) MHz	<2in
	X.XX - Y.YY: (X.XX - Y.YY) GHz	

P/N: SMA-FB-X.XX-Y.YY-ANT

Item 307NB, Item 307N, Item 307T, Item 307B, Item 309S, Item 309T, Item 310B, Item 310T, Item 310N

0.18in

Height: See Part Number Below

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES

FRACTIONS DECIMALS ANGLES
± 1/64 ± .005 ± 1°

TOLERANCE SURF PER ANSI Y14.5

REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .015
FILLETS R .005 TO R .030
SERV THICKS PER MIL-S-8879
DIA'S ON A COMMON & 2ND DEC
MACHINED SURFACES 25/

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

UHF, L, L/S, S, or C-BAND ACTIVE/PASSIVE OMNI ANTENNA

ENGINEER: S. HUYNH April-05-05

APPROVED: S. HUYNH April-05-05

CAD FILE NO: D 3CVE1

SCALE 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas