



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) Center @ 2.5 GHz  
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: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



FAA Approved Facility

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(Item 307N)  
(Item 307NB)  
(Item 307T)  
(Item 307B)  
(Item 309S)  
(Item 309T)  
(Item 310B)  
(Item 310T)  
(Item 310N)  
(Item 308T)

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Height:  
See Part Number Below

CONNECTOR:	FREQUENCY:	HEIGHT:
SMA-FB; SMA-M	0.31-0.40: (310-400) MHz	9.40in
MCX; MCX-FB	0.35-0.40: (350-400) MHz	2.65in
N; N-FB	0.40-0.45: (400-450) MHz	3.50in
TNC-M; TNC-FB	0.81-1.99: (810-960) MHz	2.65in
	0.87-1.99: (870-1990) MHz	2.65in
	1.20-2.50: (1200-2500) MHz	2.19in
	1.33-1.54: (1332-1540) MHz	2.19in
	1.61-1.85: (1610-1850) MHz	2.19in
	1.50-2.50: (1500-2500) MHz	1.86in
	1.80-1.99: (1800-1990) MHz	1.86in
	2.40-2.50: (2400-2500) MHz	1.86in
	4.40-5.85: (4400-5850) MHz	1.86in
	X.XX - Y.YY: (X.XX - Y.YY) GHz	

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**SPECIFICATIONS**

**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: -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

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

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1	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	ITEM NO
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QUANTITY REQD PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		<b>ANTCOM CORP.</b> TORRANCE CALIFORNIA				
FRACTIONS ± 1/64	DECIMALS ± .005			ANGLES ± 1°		
TOLERANCE SYM PER ANSI Y14.5		CHECKED	<b>UHF, L, L/S, S, or C-BAND ACTIVE/PASSIVE OMNI ANTENNA</b>			
REMOVE ALL BURRS. BREAK EXTERNAL EDGES .005 TO .015 FILLETS R .005 TO R .030		ENGINEER				
SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON & .005		APPROVED S. HUYNH April-05-05				
MACHINED SURFACES .25		CAD FILE NO				
DO NOT SCALE DRAWING		SIZE D	CAGE NO 3CVE1	DRAWING NO XXXX-X-X.XX-Y.YY-Ant	REV	BY
		SCALE 1/1			SHEET 1 OF 1	

NMO Connector Option is Now Available for Some Antennas