ANTCOM CORPORATION . 367 Van Ness Way, Suite 602 . Torrance, CA 90501, USA . Tel: (310) 782-1076 . Fax: (310) 782-1086 . E-mail: antennas@antcom.com . http://www.antcom.com

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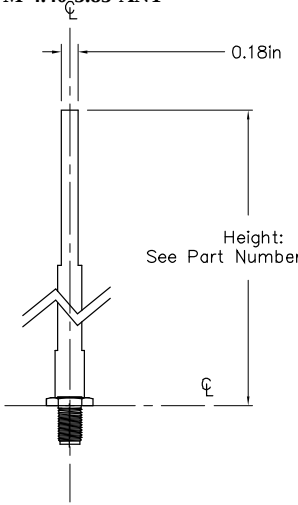
Antcom's P/N: SMA-M-1.61-1.85-ANT
Antcom's P/N: SMA-M-1.50-2.50-ANT
Antcom's P/N: SMA-M-4.40-5.85-ANT
Antcom's P/N: TNC-M-1.61-1.85-ANT
Antcom's P/N: TNC-M-1.50-2.50-ANT
Antcom's P/N: TNC-M-4.40-5.85-ANT



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

SPECIFICATIONS

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

REVISIONS

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: -87ºF to +185ºF [-66ºC to +85ºC]
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

ITEM NO	QUANTITY REQD	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH
1				–	–	–

PARTS LIST

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TOLERANCES ARE:
FRACTIONS ± 1/64 DECIMALS .X± .5 .XX± .015 ANGLES ± 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 ℄ .005
MACHINED SURFACES 125

DRAWN
CHECKED
ENGINEER
APPROVED S. HUYNH April-05-05
CAD FILE NO
DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

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

SIZE D | CAGE NO 3CVE1 | DRAWING NO XXX-X-X.XX-Y.YY-Ant | REV C
SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas