



(140-500, 410-470, 225-500, 800-1900, 2500, 5600) MHz, VHF/UHF/GSM/PCS/L/S/C-Band Antenna,
 P/N: 5R, 10R, 18R SERIES, 5", 10", 18" Tall Ruggedized/Fire Retardant Dipoles
 P/N Suffix Options Add on: **"-GN"** for Goose Neck, **"-SL"** for Spring Loaded,
"-MF" for Mounting Flange, **"-SL-MF"** for Spring Loaded/Mounting Flange



ISO 9001:2008/FAA Approved Facility Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>

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SMA-MALE
 5/8-27 UNS-2A FEMALE THREADS TO ANTENNA PORT

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Integrated Block
 Goose-neck/Cable Adapter:
 -19: 19in
 -13: 13in
 -6: 6in

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TNC Male Connector

P/N: Goose-neck-SN-19
 P/N: Goose-neck-SN-13
 P/N: Goose-neck-SN-6

TNC Male Connector
 (Other Options are Available)

P/N: Goose-neck-XST-19
 P/N: Goose-neck-XST-13
 P/N: Goose-neck-XST-6

For SMA MALE, P/N: Goose-neck-XSS-19, -13, -6

5/8-27 Female Flange Mount Option
 P/N: AD-118E

5/8-27 Male Flange Mount Option
 P/N: AD-128E

.781 [19.84]

Ø1.750 [Ø44.45]

3xØ.171 [Ø4.34] Thru.

Ø1.250 [Ø31.75] B.C.

"-SL"

A

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18R SERIES <18in (457mm)

10R SERIES <10in (254mm)

5R SERIES <5.2in (132mm)

1 in (25.4mm)

.300 [7.62] 5/8-27 UNS-2A MALE THREADS

Ø1.131 [Ø28.73]

Ø.416 [Ø10.57]

SMA-FEMALE CONNECTOR

5/8-27 UNS-2A MALE THREADS

"-GN"

B

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SPECIFICATIONS

ELECTRICAL:

ANTENNA TYPES:	18R SERIES	10R SERIES	5R SERIES
FREQUENCY (MHz):	(140-500)	(225-500)	(410-470, or 800-1900, 2500, 5600)
PATTERN:	OMNIDIRECTIONAL		
POLARIZATION:	VERTICAL		
ANTENNA GAIN:	UNITY	UNITY	> 2 dB
VSWR:	(3.5-2.0):1	(3.5-2.0):1	2.0:1
OUTPUT IMPEDANCE:	50 Ω		
POWER HANDLING:	100 watts		
LNA OPTION:	GAIN: 20 dB, NF: 1.4-4.1 dB, OP1dB: +18dB, OIP3: +33dB DC: (5 to 24) Volt @ <70mA		

MECHANICAL:

SIZE: DIAMETER: TOP/BOTTOM = 1.131in [28.73 mm], CENTER = 1in [25.4mm]
 HEIGHT: 5R SERIES = 5.2in [132mm], 10R SERIES = 10in [254mm],
 18R SERIES = 18in [457mm]

WEIGHT: 5R SERIES: 4oz. (113g); 10R SERIES: 6oz. (170g);
 18R SERIES: 11oz. (311g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE BLACK ANODIZE PER MIL-A-8625F, Type II Class II
 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,
 SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: SMA, TNC, or N
 (OTHERS OPTIONS ARE AVAILABLE)

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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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

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DIPLOE HEIGHT:
 5: 5 inches
 10: 10 inches
 18: 18 inches

FREQUENCY:
 140-500 (140-500) MHz, 410-470 (410-470) MHz
 225-500 (225-500) MHz
 800-2500 (800-2500) MHz
 800-5000 (800-5000) MHz
 XXXXXX (XXX to XXX) MHz

LNA:
 A: WITH +20 dB LNA
 P: WITHOUT LNA

CABLE'S LENGTH:
 X: NO CABLE
 M: WITH MAG. MOUNT
 # : CABLE LENGTH (IN)
 R: RIGHT ANGLE CON.

CONNECTOR:
 S: SMA; RS: R-SMA; Q: QMA
 M: MCX; MM: MMCX
 N: N; NB: N-Bulkhead
 T: TNC; TB: TNC-Bulkhead

COLOR:
 1: GLOSS WHITE #17925 PER FED-STD-595B
 2: LUSTERLESS GRAY #36320 PER FED-STD-595B
 3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
 4: LUSTERLESS BLACK #37038 PER FED-STD-595B
 5: TAN # : FS 23446 or 33446, FED-STD-595

P/N: 10R-225-500P-XS-5

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P/N:18R-225-500P-XTM-5
UHF DIPOLE ANTENNA

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