


High Gain Omni Dipole Array Antenna

P/N: 18R- 1030-1090P-XN-3-4dBi (1030-1090) MHz

Other Frequencies and Higher Gain Are Available

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

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SPECIFICATIONS

ELECTRICAL:

FREQUENCY (MHz):	1030-1090
PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
ANTENNA GAIN :	4dB (on Horizon)
VSWR:	2.0:1
OUTPUT IMPEDANCE:	50 Ω
POWER HANDLING:	100 watts

MECHANICAL:

SIZE: DIAMETER: TOP/BOTTOM = 5.39in [136.78 mm]
HEIGHT: <math>< 26</math> in [660mm]

WEIGHT: 15 oz (425g)

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

COLOR: 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: N FEMALE
(OPTION: TNC, TNC Bulkhead, N, N Bulkhead)

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-5541F, MIL-E-5400, MIL-I-45208A,
AND MIL-STD-810F

ZONE	REV	DESCRIPTION	DATE	APPROVED
-	-	-	-	-

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
1	SCREW, 10-32, 7/8" L	93085A832, ITEM 578-7/8	-	-	1

HEIGHT:	FREQUENCY:	LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
5; 5 Inches	140-500; (140-500) MHz	A: WITH +20 dB LNA	X: NO CABLE	S: SMA; RS: R-SMA	-1: GLOSS WHITE #17925 PER FED-STD-595B
10; 10 Inches	225-500; (225-500) MHz	P: WITHOUT LNA	#: CABLE LENGTH (IN)	Q: QMA	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
18; 18 Inches	800-2500; (800-2500) MHz			N: N; NB: N-Bulkhead	-3: CAMO GREEN #34094 PER FED-STD-595B
	1030-1090; (1030-1090) MHz			T: TNC; TB: TNC-BLK	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	1350-1850; (1350-1850) MHz				-5: DESERT TAN # 33446, FED-STD-595
	XXXX-YYYY; (XXXX-YYYY) MHz				

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UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		ANTCOM CORP. TORRANCE, CALIFORNIA 1030-1090 MHz DIPOLE ARRAY ANTENNA	
FRACTIONS	DECIMALS		
± 1/64	.XXX, .015	± 1'	TOLERANCE SYM PER ANSI Y14.5 REMOVE ALL BURRS BREAK EXTERNAL EDGES .005 TO .015 FILETS R .005 TO R .030 SCREW THREADS PER MIL-S-8879 DIA'S ON A COMMON ϕ 2 ⁺ .005 MACHINED SURFACES ∇ 12.5
DO NOT SCALE DRAWING		ORIGINALY DRAWN S. HUYNH April-18-13 ORIGINALY DESIGNED S. HUYNH April-18-13 UPDATED S. HUYNH Mar-10-15 UPDATE DRAWN P. TRAN Mar-10-15 APPROVED S. HUYNH Mar-10-15	SCALE 1/1 SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas