



(30-870) MHz Blade Antenna
 P/N: 12BE-30-870-XN-4-LW

11.775" Tall Blade Configuration, -1 White, -2 Gray, -3 Green, -4 Black
 Other Frequency Bands, Color and Connector Options are Also Available



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

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>

8x Ø.201 [Ø5.11]
 √ Ø.385 [Ø9.78] x 100°

N FEMALE CONNECTOR
 (Option: SMA, N, or BNC)

2.800 [71.13]
 3.656 [92.86]
 3.000 [76.20]
 3.468 [88.09]
 2.375 [60.33]
 2x4.005 [101.73]
 2x1.505 [38.23]
 2x3.745 [95.12]
 2x1.245 [31.62]

SPECIFICATIONS

REVISIONS				
ZONE	REV	DESCRIPTION	DATE	APPROVED

ELECTRICAL:

VHF/UHF
 FREQUENCY: (30-870) MHz
 PATTERN: OMNIDIRECTIONAL
 POLARIZATION: VERTICAL
 ANTENNA GAIN: (On 4ft. Ground Plane)
 30-88MHz: > -14dBi, 116-140MHz: > -5dBi, 140-160MHz: > -4dBi,
 160-200MHz: > -1 dBi, 300-532MHz: > +3dBi

RADIATION PATTERN: OMNI-DIRECTIONAL
 VSWR: (30-116)MHz: 2:1, (161-200)MHz: 3.5:1, 300MHz: 2:1,
 (470-500)MHz: 2:1, (660-760) MHz: 3.5:1, 870MHz: 4:1

OUTPUT IMPEDANCE: 50 ohms
 POWER HANDLING: 100 watts
 LIGHTNING PROTECTION: DC GROUNDED

MECHANICAL:

SIZE: WIDTH 4.650 in. [118 mm], LENGTH 12.550in. [318 mm],
 HEIGHT 11.775 in. [299.09 mm]
 WEIGHT: 2.64 lbs. (1.2 Kg)
 FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL
 BASE IRIDITE PER MIL-C-5441F
 MATERIAL: 6061-T6 ALUMINUM ALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,
 SKYDROL RESISTANCE, AND FIRE RETARDANT
 CONNECTOR: N FEMALE (OPTION: SMA, TNC, or BNC)

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]
 ALTITUDE: 70,000 ft.
 VIBRATION: 14 G's
 LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

DESIGN TO: TSO-C129A/C144, DO-160D, D0-228, MIL-C-5541,
 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

P/N: 12BE-30-870-XN-4-LW

SIZE:	START FREQ. (GHz)	STOP FREQ. (GHz)	OTHER BAND:	CABLE LENGTH:	CONNECTOR:	COLOR:
12" STD.	.030, .116, .225, .310, .310, .350, .370, .400		L1-Band	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.61 1/2" SQ.	.350, .370, .400, .425, .410, .425, .450, .470		S2-Band	N: WITH MMS MOUNT	M: MCOX; W: MCMCX	-2: LUSTERLESS GRAY #38320 PER FED-STD-595B
2" 2.6" DIA.	.450, .470, .500, .620, .500, .532, .718, .820		C2 C-Band	R: CABLE LENGTH (IN.)	N: N: N-B; @head	-3: CAMO GREEN #34094 PER FED-STD-595B
3" 3.5" DIA.	.704, .990, 1.30, 1.50, .870, 1.40, 1.25, 1.65		L1 S: (1700-2200)MHz	R: RIGHT ANGLE CON.	T: TB; TNC, TNC- Bulkhead	-4: LUSTERLESS BLACK #37338 PER FED-STD-595B
4" 4" DIA.	1.60, 1.70, 1.80, 1.96, 1.75, 1.85, 1.99, 2.50		S2 C-Band			-5: DESERT TAN #33446 PER FED-STD-595B
4" 4" DIA. NRC	2.20, 2.42					

NOTES: UNLESS OTHERWISE SPECIFIED:

QTY	DESCRIPTION	PART NO	SPECIFICATION	MATERIAL	FINISH	TRN NO
6	SCREW, MOUNTING	MS24693C273				2
-1						1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES FRACTIONS SHALL BE DECIMALS ANGLES SHALL BE IN DEGREES ± 1/64 ± .005

TOLERANCE SW PER AMS Y14.8

DRILL EXTERNAL DIMS .006 TO .016

DRILL P .005 TO .010

DRILL THREADS PER MIL-S-8879

DRILL ON A COMMON SIZING

MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE, CALIFORNIA

(30-870) MHz
BLADE ANTENNA

REV	QTY	ISSUED TO	DATE
D	3	CV E1	12BE-30-870-XN-4-LW

SCALE 1/1 | SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas