



ISO 9001:2008/FAA Approved Facility

GSM (810-996MHz) Antenna: P/N: 2BGSMV-P-XT-1
 WIFI (2.4-2.5GHz) Antenna: P/N: 2B24V-P-XT-1
 Quad Band (0.810-2.5GHz) Antenna: P/N: 2BQBV-P-XT-1
 Wide Band (0.810-5.9GHz) Antenna: P/N: 2WBWV-P-XT-1
 Wide Band 2 (2.4-5.9GHz) Antenna: P/N: 2WBW2V-P-XT-1
 L/S-Band 2 (1.6-2.5GHz) Antenna: P/N: 2BLSV-P-XT-1
 Antenna Mounts/Adapters: <http://www.antcom.com/documents/catalogs/PeripheralAntennaProducts2.pdf>



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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

PHOTOGRAPHS

MECHANICAL DRAWINGS

ELECTRICAL:

FREQUENCY (GHz):	WIFI (2400-2500)
RADIATION PATTERN:	OMNIDIRECTIONAL
POLARIZATION:	VERTICAL
VSWR:	2.0:1
IMPEDANCE:	50 ohms
ANTENNA GAIN (dBic):	> 2 dB
LIGHTNING PROTECTION:	DC GROUNDING

MECHANICAL:

SIZE: WIDTH 2.05 in. [52.2 mm], LENGTH 5.25 in. [133.4 mm], HEIGHT 2.22 in. [56.5 mm]

WEIGHT: 7.4 oz. (210g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F

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 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, SKYDROL RESISTANCE, AND FIRE RETARDANT

CONNECTOR: TNC-FEMALE (OPTION: SMA, N, BNC)

MOUNTING: FLAT FIXED MOUNT; O-RING & 10-32 MOUNTING SCREWS ARE PROVIDED

ENVIRONMENTAL:

TEMPERATURE: -67°F TO +185°F [-55°C TO +85°C]

ALTITUDE: 70,000 ft.

VIBRATION: 30 G's

LEAKAGE: HERMETICALLY SEALED

FEDERAL & MILITARY SPECIFICATIONS:

FAA TSO-C144, DO-160D, D0-228, MIL-C-5541, MIL-STD-461E/F, SAE J1455 MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A

2. O-RING AND MOUNTING SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

P/N: 2B24V-P-XT-1

SIZE:	Frequency	Other Band	GPS/RX only LNA:	DC BLOCK/LIMITER:
1: 2" SQ.	15: L1 GPS	C: (4.4-5.9) GHz	A2: WITH +20 dB LNA	DL: WITH DC BLOCK & WITH LIMITER
1.9: 1.9" SQ.	1215: L1/L2 GPS	24: (2.4-2.5) GHz	A3: WITH +33 dB LNA	
2: 2.6" DIA.	GS: L1/L2 GPS/Glonass	L: (1.6-2.0) GHz	P: WITHOUT LNA	BLANK WITHOUT DC BLOCK NOR LIMITER
3: 3.5" DIA.		L/S: (1.6-2.5) GHz		
4: MINI ARINC		GSM: (810-996) MHz		
		QB: (0.810-2.5) GHz		
		WB: (0.810-5.9) GHz		
		WBZ: (2.4-5.9) GHz		

QUANTITY	DESCRIPTION	PART NO	FINISH	THRU NO.
4	10-32 SCREW, MOUNTING, 1.25in	MS24693-C278	-	2
1	O-RING	2-038-N756-75	-	1

UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
 TOLERANCES UNLESS OTHERWISE SPECIFIED:
 DECIMALS ± 0.015
 FRACTIONS ± 1/64
 ANGLES ± 1°
 TOLERANCE SURF PER AMS Y14.5
 REMOVE ALL BURRS
 BREAK EXTERNAL EDGES .005 TO .010
 FILE IN A CORNER R.25 R90
 SQUARE THREADS PER UN-5-889
 3.3 DIA ON A CORNER R.25 R90
 MACHINED SURFACES 12°
 DO NOT SCALE DRAWING

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ANTCOM CORP. TORRANCE CALIFORNIA

WIFI BLADE ANTENNA

DATE: 30/09/11
 DRAWN: S. HUYNH
 DESIGNED: S. HUYNH
 CHECKED: S. HUYNH
 APPROVED: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1

ANTCOM CORP. TORRANCE CALIFORNIA

DATE: 30/09/11
 DRAWN: S. HUYNH
 DESIGNED: S. HUYNH
 CHECKED: S. HUYNH
 APPROVED: S. HUYNH

SCALE: 1/1

SHEET 1 OF 1

NMO Connector Option is Now Available for Some Antennas