



FAA Approved Facility

L1 GPS & WIFI (2.4-2.5GHz) Antenna: P/N: 2BG1524RV-AP-XTT-1, P/N: 2BG121524RV-AP-XTT-1 (for L1/L2)

L1 GPS & Wide Band 2 (2.4-5.9GHz) Antenna: P/N: 2BG15WB2RV-AP-XTT-1, P/N: 2BG1215WB2RV-AP-XTT-1 (For L1/L2)

L1 GPS & L/S-Band 2 (1.6-2.5GHz) Antenna: P/N: 2BG15LSRV-AP-XTT-1, P/N: 2BG1215LSRV-AP-XTT-1 (For L1/L2)

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



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

NOTICE OF PROPRIETARY RIGHTS
THIS DOCUMENT CONTAINS CONFIDENTIAL, TECHNICAL DATA INCLUDING TRADE SECRETS PROPRIETARY TO ANTCOM CORP. DISCLOSURE OF THIS DATA TO YOU IS EXPRESSLY CONDITIONED UPON YOUR AGREEMENT THAT ITS USE IS LIMITED TO USE WITHIN YOUR COMPANY ONLY AND DOES NOT INCLUDE MANUFACTURE OR PROCESSING INFO. ANY OTHER USE IS STRICTLY PROHIBITED WITHOUT PRIOR WRITTEN CONSENT OF ANTCOM CORP.

5.040 [128.02]
2.214 [56.24]
R2.257 [R57.33]
1.600 [40.64]
4.237 [107.63]
4xø.201 [ø5.11] Thru.
ø.385 [ø9.78] x 100"

1.317 [33.46]
2.458 [62.43]
.898 [22.81]

TNC FEMALE CONNECTOR (OPTION: SMA, N, BNC, or F)

.784 [19.91]
.937 [23.80]
1.453 [36.63]
1.600 [40.64]
1.891 [48.03]
3.319 [84.30]
4.237 [107.63]
1.148 [3.77]

GPS
WIFI
O-RING P/N: 2-038-N756-75

SPECIFICATIONS

ELECTRICAL:

	WIFI	GPS
FREQUENCY:	(2400 - 2500) MHz	L1: (1575.42 ±13)
RADIATION PATTERN:	OMNIDIRECTIONAL	HEMISPHERICAL
POLARIZATION:	VERTICAL	RHCP
VSWR:	2.0:1	< 1.5:1
GAIN (dB):	>2dB	F.S. 4 ft G.P
@ 90° Zenith:		+ 4.6 + 2.9
@ 10° Elevation:		- 2.5 - 1.8
@ 20° Elevation:		- 1.1 + 0.7
@ 30° Elevation:		+ 0.5 + 1.7
@ 45° Elevation:		+ 2.1 + 1.9
@ 60° to 90° Elevation:		> 3.6 > 2.1
BEAM WIDTH (3dB):		103 ° 146 °
AXIAL RATIO @ Zenith:		2 dB
POWER HANDLING:		1 Watt
LIGHTNING PROTECTION:		DC GROUNDING
FILTER (REJ. @1616 MHz):		> 60 dB
LNA GAIN:		(33.0+/-1.0) dB, 20dB (-A2- Option)
LNA P 1dB Out:		+16 dBm
LNA NOISE FIGURE:		2.8 dB (Filter loss is Included)
VOLTAGE/CURRENT:		(+2.8 TO +28) Volts DC / (30 TO 50) mA

MECHANICAL:

SIZE: WIDTH 2.214 in. [56 mm], LENGTH 5.040 in. [128 mm], HEIGHT 2.458 in. [62.4 mm]

WEIGHT: 14.9 oz. (422g)

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

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

REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
FRACTIONS DECIMALS ANGLES
± 1/64 ±.005 ± .1°
TOLERANCE ±.010 PER ANG ±.015
REMOVE ALL BURRS
BREAK LATERAL EDGES .006 TO .015
FILLER P. 200 TO R .030
DIEF. SURF. FIN. 200 TO R .030
MACHINED SURFACES 12.5

ANTCOM CORP. TORRANCE CALIFORNIA

GPS / GSM BLADE ANTENNA

DATE: 03VE1 NUMBER: 2BG1524RV-AP-XTT-1 REV: D SCALE: 1/1 SHEET: 1 OF 1

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

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]

NOTES: UNLESS OTHERWISE SPECIFIED:

CABLE'S LENGTH:	UHF/Other-Band CON.	COLOR:
X: NO CABLE	S: SMA, B: BNC, F: F	-1: GLOSS WHITE #17925 PER FED-STD-595B
M: WITH MAG. MOUNT	M: MCK; MM: MMCK	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
W: CABLE LENGTH (IN)	N: NIN-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
R: RIGHT ANGLE CON.	T: TB; TNC: TNC- Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B

P/N: 2BG1524RV-AP-XTT-1

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

NMO Connector Option is Now Available for Some Antennas