



Active L1 GPS & Passive LHCP WIFI Antenna: P/N: S5G1524RL-AP-XTT-1
 Active L1 GPS & Passive RHCP WIFI Antenna: P/N: S5G1524RR-AP-XTT-1
 Active L1/L2 GPS & Passive LHCP WIFI Antenna: P/N: S5G121524RL-AP-XTT-1
 Active L1/L2 GPS & Passive RHCP WIFI Antenna: P/N: S5G121524RR-AP-XTT-1
Flat/Top Mount Configuration



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>

5.026 [127.66]
 2.200 [55.88]
 4x.800 [20.32]
 4x2.119 [53.82]
 4x.201 [.05.11]
 √ .385 [.09.78] X 100°
 for 10-32 MOUNTING SCREWS

.721 [18.31]
 R6.000 [R152.40]
 .572 [14.53]
 .406 [10.31]
 TNC FEMALE CONNECTOR
 (OPTION: SMA, N, N Bulkhead, MCX, MMCX, or Cable)

.784 [19.91]
 .148 [3.77]
 .937 [23.80]
 .143 [3.63]
 O-RING P/N: 2-038-N756-75

SPECIFICATIONS

ELECTRICAL:

	WIFI	GPS
FREQUENCY:	(2400 - 2500) MHz	L1: (1575.42 ±13)
RADIATION PATTERN:	HEMISPHERICAL	HEMISPHERICAL
POLARIZATION:	LHCP	RHCP
VSWR:	< 1.5:1	< 1.5:1
GAIN (dB):	F.S. 4 ft G.P	F.S. 4 ft G.P
@ 90° (Zenith):	+6.1	+4.6
@ 10° Elevation:	-2.4	-1.1
@ 20° Elevation:	-0.3	+2.2
@ 30° Elevation:	+1.0	+0.5
@ 45° Elevation:	+2.9	+3.4
@ 60° to 90° Elevation:	+5.3	+4.4
BEAM WIDTH (3dB):	88 °	110 °
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: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm], HEIGHT: 0.721 in. [18.31 mm]

WEIGHT: 8.3 oz (235 g)

FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL, AND BASE IRIDITE PER MIL-C-5441F

MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT AND SKYDROL RESISTANCE, FIRE RETARDANT

CONNECTOR: TNC FEMALE CONNECTOR (OPTION: SMA, N, N Bulkhead, MCX, MMCX, or Cable)

MOUNTING: FLAT FIXED MOUNT; O-RING & 4 x 10-32 MOUNTING SCREWS 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:

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

QUANTITY REQD	DESCRIPTION	PART NO	MATERIAL	FINISH	ITEM NO
4	MOUNTING SCREW: (10-32, 1")	MS24693C276	-	-	3
1	O-RING	2-038-N756-75	-	-	1

CONFIGURATION:	FREQ. BAND:	OTHER BAND:	GPS/IRIDIUM LNA:	CABLE'S LENGTH:	CONNECTOR:	COLOR:
1: 2" SQ. (FLAT)	15: L1 GPS	C: (4.4-5.9) GHz	A: WITH LNA	X: NO CABLE	S: SMA; P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
1.9: 1.9" SQ. (FLAT)	1215: L1/L2 GPS	24: (2.4-2.5) GHz	P: WITHOUT LNA	M: WITH MAG. MOUNT	M: MCX; MM: MMCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
2: 2.6" DIA. (FLAT)	Gs: L1/L2 GPS/Gloss	L: (1.6-2.0) GHz		#: CABLE LENGTH (IN)	N: N; NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
3: 3.5" DIA. (FLAT)		GSM: (810-996) MHz	A2: WITH 20dB LNA	R: RIGHT ANGLE CON.	T: TNC; TB: TNC-Bik	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
4: MINI ARINC (FLAT)		QB: (0.810-2.5) GHz				-5: DESERT TAN #33446 PER FED-STD-595B
53: (HELIX ROD)		WB: (0.810-5.9) GHz				
5B: (HELIX BLADE)						
3D: (HELIX HANDHELD)						

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NOTES: UNLESS OTHERWISE SPECIFIED:
 1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
 2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

NMO Connector Option is Now Available for Some Antennas