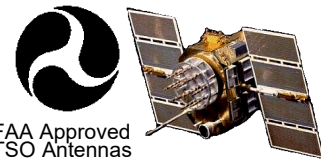




# Active L1L2 GPS /Passive Dual Iridium /4G Antenna

P/N: 5BGL1L2IR24G-AP3-XT4-2

Other Frequencies, Connectors and Color Options are Available



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

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

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SPECIFICATIONS		REVISIONS			
ZONE	REV	DESCRIPTION	DATE	APPROVED	

**ELECTRICAL:**

FREQUENCY (MHz):	GPS		IRIDIUM		4G	
	L1 GPS: (1575 ± 17)	L2 GPS (1227.60 ± 15)	(1610-1626)	Cellular, GSM, ISM, WLAN, RFID	FCS, 802.11b, 802.11g, WFP1, Bluetooth, Hotspot	802.11a, WiFi ISM
RADIATION PATTERN:	HEMISPHERICAL					OMNIDIRECTIONAL
POLARIZATION:	RHCP					VERTICAL
VSWR:	< 2:1					< 2:1
IMPEDANCE:	50 ohms					50 ohms
ANTENNA GAIN:	Free Space	16 in G.P.	4 ft G.P.	Free Space	16 in G.P.	F.S./G.P.
@ 90° Elevation:	+4.7	+0.4	+3.3	+1.5	+4.9	+0.74/1.1
@ 20° Elevation:	-1.8	-3.2	-2.0	-3.8	-4.0	-1.6/4.8
@ 30° Elevation:	-0.3	-1.0	+0.8	-2.0	-2.0	-0.1
@ 60-90° Elevation:	+1.4	+0.9	+1.8	-0.5	0.0	-1.8
BEAM WIDTH (3dB):	114 Deg.	118 Deg.	139 Deg.	106 Deg.	111 Deg.	75 Deg.
LIGHTNING PROTECTION:	DC GROUNDING					
LNA GAIN:	33 dB		35 dB			
LNA NOISE FIGURE:	3.0 dB		3.0 dB			
LNA P1dB OIP3:	+13 dBm		+13 dBm			
LNA DC POWER:	2.5V/20mA, 3V/29mA, 3.3V/35mA, (2,5-24)V/450mA					
REJECTION @ (-50/+50) MHz:	-1 dB / -59 dB		-40 dB / -40 dB			
@ (+100/-100) MHz:	< -65 dB		< -65 dB			
POWER HANDLING:	1 Watt CW, 2000 Peak 1 Microsec Pulse (-3dB)					

**MECHANICAL:**

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in. [127.66 mm], HEIGHT: 5.137 in. [130.48 mm], 2.26 lbs., (1.03 kg)

WEIGHT: 2.26 lbs., (1.03 kg)

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

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 AND SKYDROL RESISTANCE

CONNECTOR: TNC FEMALE CONNECTORS (OPTIONAL: SMA, N, BNC)

**ENVIRONMENTAL:**

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

ALTITUDE: 70,000 ft.

VIBRATION: 10 G's

LEAKAGE: HERMETICALLY SEAL

**FEDERAL & MILITARY SPECIFICATIONS:**

TSO-C129A/C144, DO-160D, DO-228, MIL-C-5541F, MIL-STD-461E/F, MIL-E-5400, MIL-I-45208A, MIL-STD-810, MIL-S-901D, MIL-STD-167-1A, SAE J1455

**CONNECTOR:** DGO: DGO; S: SMA, Q: QMA; N: N, T: TNC

**COLOR:** -1: GLOSS WHITE #17925 PER FED-STD-595B; -2: LUSTERLESS GRAY #36320 PER FED-STD-595B; -3: OLIVE DRAB GREEN #34031 PER FED-STD-595B; -4: LUSTERLESS BLACK #37038 PER FED-STD-595B; -5: DESERT TAN #33446 PER FED-STD-595B; -J: TEFLON COATED FOR UNDERWATER APPLICATION

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF ID
4	SCREW, MOUNTING (10-32, 1.5"L)	93085A837	-	-	2

**ANTCOM CORP.** TORRANCE CALIFORNIA

L1L2 GPS / Dual Iridium / 4G ANTENNA

SCALE 1/1

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