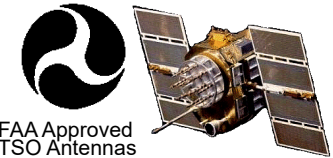




New 4-Ports, Active L1 GPS & Dual Iridium & Wi-Fi Antenna

P/N: S5GIR151625RRL-APP-XST3-1
(5.04"x2.2"x0.9"), Flat, Top Mount, Bottom Connector Configuration



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 . <http://www.antcom.com>

SPECIFICATIONS

ELECTRICAL:

	GPS (L1 or L1/L2, See P/N in Bottom Table)	DUAL IRIDIUM	Wi-Fi
FREQUENCY:	L1: (1575.4 ±13) L2: (1227.6 ±13) MHz	(1610.0 - 1626.5) MHz	(See Bottom Table)
RADIATION PATTERN:	HEMISPHERICAL		Verticle / Horizontal
POLARIZATION:	RHCP		OMNI
VSWR:	< 2:1		< 2:1
GAIN (dB):	F.S. 4 ft G.P	F.S. 4 ft G.P	F.S. GAIN (dB):
@ 90° (Zenith):	+ 4.6 + 2.9	+ 1.8 + 5.3	0.0
@ 10° Elevation:	- 2.5 - 1.8	- 4.2 - 2.3	- 7.5
@ 20° Elevation:	- 1.1 + 0.7	- 2.9 + 0.4	- 5.5
@ 30° Elevation:	+ 0.5 + 1.7	- 2.0 + 2.3	- 4.0
@ 60° to 90° Elevation:	> 3.6 > 2.1	> 0.9 > 3.2	- 2.3
BEAM WIDTH (3dB):	103 ° 146 ° 108 ° 74 °	98 °-106 °	
AXIAL RATIO @ Zenith:	2 dB		
POWER HANDLING:	1 Watt		30 W
LIGHTNING PROTECTION:	DC GROUNDING		DC GROUNDING
FILTER:	2 2-POL		
LNA GAIN:	(33.0+/-1.0) dB		N/A
LNA P 1dB Out:	+16 dBm		N/A
LNA NOISE FIGURE:	2.9 dB (Filter loss is Included)		N/A
VOLTAGE/CURRENT:	(+2.8 TO +28) Volts DC / (30 TO 50) mA		N/A

MECHANICAL:

SIZE: WIDTH: 2.20 in. [55.88 mm], LENGTH: 5.026 in [127.66 mm]
HEIGHT: 0.913 in. [23 mm]
WEIGHT: < 10 oz. (283 g)
FINISH: SKYDROL RESISTANT POLYURETHANE ENAMEL BASE IRIDITE PER MIL-C-5541F
MATERIAL: 6061-T6 ALUMINUM ALLOY BASE COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT, AND SKYDROL RESISTANCE, FIRE RETARDANT
CONNECTOR: GPS: SMA-F (Blue), IRIDIUM: TNC-F (Red), Wi-Fi: TNC-F (Green) (OPTION: SMA, TNC, TNC Bulkhead, BNC, 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, DO-228, MIL-C-5541, MIL-S-901D/MIL-STD-167 MIL-E-5400, MIL-I-45208A, MIL-STD-810, AND SAE J1455

QUANTITY	DESCRIPTION	PART NO	MATERIAL	FINISH	REF
4	MOUNTING SCREW: (10-32, 1.5")	MS24693C280	-	-	5
1	O-RING	2-038-N756-75	-	-	3

UNLESS OTHERWISE SPECIFIED

FRACTIONS: DECIMALS: ANGLES: TOLERANCE DIM PER ANSI Y14.5

REMOVE ALL BURRS
BREAK EXTERNAL EDGES .005 TO .010
FILE TO .002 TO .010
SOFTEN THREADS FOR MIL-C-8879
DAYS ON A CONICAL SURFACE
MACHINED SURFACES

DO NOT SCALE DRAWING

ANTCOM CORP. TORRANCE CALIFORNIA

FLAT FIXED MOUNT
GPS/Dual-IRIDIUM/Wi-Fi
ANTENNA

APPROVED: S. HUYNH Aug-12-11
Dwg File No: 3CVE1
SCALE: 1/1
SHEET 1 OF 1

CONFIGURATION: FREQ. BAND: 08: CELLULAR (824-894) MHz (US/Canada) 09: GSM (876-960) MHz (Europe/Asia/Africa/M-East) 18: DCS (1710-1850) MHz (Europe/Asia/Africa/M-East) 19: PCS (1850-1990) MHz (US/Canada) 04: QUAD BAND (All 4 bands above) 15: L1 GPS (1575+/-12) MHz 12: L1/L2 GPS (1575+/-12) / (1227+/-12) MHz 16: IRIDIUM: 25; 2,4-2.5GHz Wi-Fi: 55; 5.5 GHz Wi-Fi

CABLES LENGTH: X: NO CABLE M: WITH MAG. MOUNT R: CABLE LENGTH (IN) R: RIGHT ANGLE CON

GPS/IRIDIUM/Wi-Fi CON.: S: SMA; F: FINE M: MCX; MM: MMCX B: BNC Female T: TNC; TB: TNC; Bulkhead

COLOR: 1: +1 GLOSS WHITE #17925 PER FED-STD-595B 2: -2 LUSTERLESS GRAY #36320 PER FED-STD-595B 3: -3 OLIVE DRAB GREEN #34031 PER FED-STD-595B 4: -4 LUSTERLESS BLACK #37038 PER FED-STD-595B 5: -5 TAN #: FS 23446 or 33446, FED-STD-595

NOTES: UNLESS OTHERWISE SPECIFIED:

1. DIMENSIONS IN BRACKETS ARE IN MILLIMETERS [mm]
2. ALL SCREWS ARE SUPPLIED BY ANTCOM CORPORATION

Example P/N: 5G151625RRL-APP-XST3-1

NMO Connector Option is Now Available for Some Antennas