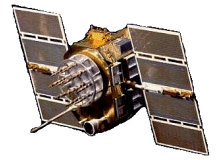




L1/L2 GPS/L-Band (1-2 GHz) Helix Antenna

P/N: 18x2.5H1215R-P-XX-1 (Passive) ; P/N: 18x2.5H1215R-A-XX-1 (Active with 30dB LNA or Rx only)
 2.5" Diameter x 18" Tall, Front/Back Mount Configuration with SMA, TNC, N, or BNC Connector Options



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

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REVISIONS

ZONE	REV	DESCRIPTION	DATE	APPROVED

SPECIFICATIONS

FREQUENCY (MHz):	L5 GPS E5, E5a, E5b, Galileo L5 IRNSS	L2 GPS B2 Compass	L2 GLONASS E6 Galileo B3 Compass	Omnistar / L-Band L6 Galileo B1 Compass L1 IRNSS	L1 GPS E1, E2 Galileo L1 IRNSS	L1 GLONASS
	1176.45 ± 12.0 MHz 1164.45 - 1219.14 MHz 1176.45 ± 15.0 MHz	1227.80 ± 12.0 MHz 1207.14 ± 10.0 MHz	1262.50 ± 7.5 MHz 1266.75 - 1290.75 MHz 1268.52 ± 10.0 MHz	1542.50 ± 14.0 MHz 1542.50 ± 5.0 MHz 1561.098 ± 10.0 MHz	1575.42 ± 15.0 MHz 1575.42 ± 17.0 MHz 1575.42 ± 12.0 MHz	1609.0 ± 7.0 MHz

Active

Passive

ELECTRICAL:

GAIN (dBic) in FS	+ 11.5 dBic
AXIAL RATIO (dB)	1 to 2
RADIATION PATTERN:	HEMISPHERICAL
POLARIZATION:	RHCP
VSWR:	< 1.7 : 1
POWER HANDLING:	200 watts

MECHANICAL:

SIZE: TOP DIA = 2.50 in [63.50mm], BASEDIA = 3.50 in[88.90mm]
 HEIGHT = 18 in. [457 mm]
 WEIGHT: 16.2oz. (460 +/-10) grams
 FINISH: SKYDROLRESISTANTPOLYURETHANENAMEL
 BASE IRIDITE PER MIL-C-5541F TYPE II CLASS 1A
 COLOR: GLOSS WHITE #17925PER FED-STD-595B
 LUSTERLESSGRAY #36320PER FED-STD-595B
 OLIVE DRAB GREEN#34031PER FED-STD-595B
 LUSTERLESSBLACK#37038PER FED-STD-595B
 MATERIAL: 6061-T6ALUMINUMALLOY BASE
 COMPOSITE RADOME, IMPACT, ABRASION, UV, SOLVENT,
 AND SKYDROLRESISTANCE, FIRE RETARDANT
 CONNECTOR: SMA-Female
 (OPTION: TNC, TNC-Bulkhead, N, N-Bulkhead, BNC)

ENVIRONMENTAL:

TEMPERATURE: -166 °F TO +248 °F [-110 °C TO +120 °C]
 ALTITUDE: 70,000ft.
 VIBRATION: > 30 G's

FEDERAL & MILITARY SPECIFICATIONS

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

HIGH (in):	POLARIZATION:	LNA:	CABLE LENGTH	CONNECTOR	COLOR
	LL: TX: LHCP, RX: RHCP	A1: WITH +34 dB LNA	X: NO CABLE	S: SMA, P: PINS	-1: GLOSS WHITE #17925 PER FED-STD-595B
	LR: TX: LHCP, RX: RHCP		M: WITH MAG. MOUNT	M: M/CX, MM: M/MCX	-2: LUSTERLESS GRAY #36320 PER FED-STD-595B
	RL: TX: RHCP, RX: LHCP	P: WITHOUT LNA	#: CABLE LENGTH (IN)	N: N, NB: N-Bulkhead	-3: OLIVE DRAB GREEN #34031 PER FED-STD-595B
	RR: TX: RHCP, RX: RHCP		R: RIGHT ANGLE CON.	T: TNC, TB: TNC-Bulkhead	-4: LUSTERLESS BLACK #37038 PER FED-STD-595B
	R: RHCP				
	L: LHCP				

QUANTITY REQD	DESCRIPTION	PART NO	FINISH	ITEM NO
4	MOUNTING SCREW: (M5 Pan Head Phillips, 10mm)	90116A250	-	5
4	MOUNTING SCREW: (M5 Pan Head Phillips, 20mm)	90116A260	-	4
1			-	3
1			-	2
1			-	1

P/N: 18x2.5H1215R-P-XS-1

NMO Connector Option is Now Available for Some Antennas