

















High Precision Antenna Catalogue














Multi-Constellation / Multi-Frequency for CM Level Accuracy



9th April, 2020

Click to view product	Manufacturer	Part Number	Package	Constellations	Frequencies	L-Band	LNA Gain	Phase Centre Variation	Operating Voltage	Operating Current	Dimensions (mm)	Mounting	Multipath Mitigation	Connector Types	Ruggedness	Application
	GPSSource	L1L2-2GA	Low Profile	GPS	L1, L2	×	33dB	TBA	5-16 Vdc	44mA	24 x 65	Bulkhead / Thru Hole	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-2GP	Low Profile	GPS	L1, L2	×	NA	TBA	0 Vdc	0mA	25 x 65	Bulkhead / Thru Hole	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-S2GA	Low Profile	GPS	L1, L2	×	33dB	TBA	5-16 Vdc	44mA	24 x 65	Surface Mount Side Connector	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-S2GP	Low Profile	GPS	L1, L2	×	NA	TBA	0 Vdc	0mA	25 x 65	Surface Mount Side Connector	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-2GAD	Low Profile	GPS	L1, L2	×	31dB	TBA	2.5 - 16 Vdc	25mA	55 x 76 x 20	Bulkhead / Thru Hole	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-S2GAD	Low Profile	GPS	L1, L2	×	30dB	TBA	3.3 - 16 Vdc	31mA	25 x 65	Surface Mag Mount	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-RA-1	Low Profile	GPS	L1, L2	×	26dB	TBA	2.5 - 16 Vdc	25mA	55 x 76 x 20	Surface Mount Side Connector	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	L1L2-RA-2	Low Profile	GPS	L1, L2	×	26dB	TBA	3.3 - 16 Vdc	23mA	24 x 55 x 76	Bulkhead / Thru Hole	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	GNSS-3SA	Rugged Puck	GPS, GLONASS, Galileo	L1, L2, L3, L5, E1, E5b, E6	×	30dB	TBA	3 - 12 Vdc	50mA	25 x 89	Surface Mount Side Connector	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	GPSSource	GNSS-3SP	Rugged Puck Passive	GPS, GLONASS, Galileo	L1, L2, L3, L5, E1, E5b, E6	×	NA	TBA	4 - 12 Vdc	0mA	25 x 89	Surface Mount Side Connector	Very Good	TNC	Chemical Resistant IP67 50,000 ft Alt	Military / Vehicle / Asset
	Harxon	HX-CH3602A	Helical Surface Mount	GPS, GLONASS, Beidou, SBAS	L1, B1	×	33dB	<3mm	3.3 - 12 Vdc	<35mA	27.5 x 59	Surface Mount	Good	SMA Male	Std	UAV / UAS
	Harxon	HX-CH4601A	Helical Surface Mount	GPS, GLONASS, SBAS	L1, L2	×	33dB	<3mm	3.3 - 12 Vdc	<55mA	27.5 x 59	Surface Mount	Good	SMA Male	Std	UAV / UAS
	Maxtena	M1227HCT-A2-SMA	Helical Surface Mount	GPS, GLONASS, SBAS	L1, L2	×	30dB	TBA	3 - 12 Vdc	25mA	30 x 51	Surface Mount	Good	SMA Male	IP67	UAV / UAS

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	Maxtena	M4HCT-A-SMA	Helical Surface Mount	GPS, GLONASS, Galileo, Beidou, SBAS	L1, E1, B1, B1-2, G1	×	30dB	<10mm	3 - 5 Vdc	25mA	34 x 51	Surface Mount	Good	SMA Male	IP67	UAV / UAS
	Harxon	HX-CH6601A	Helical Surface Mount	GPS, GLONASS, Beidou, SBAS	L1, L2, B1, B2	×	33dB	<3mm	3.3 - 12 Vdc	<55mA	27.5 x 59	Surface Mount	Good	SMA Male	Std	UAV / UAS
	Harxon	HX-CH7603A	Helical Surface Mount	GPS, GLONASS, Beidou, SBAS	L1, L2, B1, B2, B3	×	33dB	<3mm	3.3 - 12 Vdc	<55mA	40 x 75.2	Surface Mount	Good	SMA Male	Std	UAV / UAS
	Maxtena	M7HCT-A-SMA	Helical Surface Mount	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, E1, E5b, B1, B1-2, B2, G1, G2, G3	×	30dB	<10mm	3 - 5 Vdc	25mA	34 x 51	Surface Mount	Good	SMA Male	IP67	UAV / UAS
	Harxon	HX-CHX600A	Helical Surface Mount	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	33dB	<3mm	3.3 - 12 Vdc	<55mA	40 x 82.6	Surface Mount	Good	SMA Male	Std	UAV / UAS
	Trimble	AV16 120982-16	Helical Surface Mount	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS	L1, L2, E1, B1	✓	35dB	<10mm	2.2 - 16 Vdc	21 mA	44.5 x 62.4	Surface Mount	Good	SMA Male	MIL-STD-818-F Procedure II	UAV / UAS
	Maxtena	M8HCT-A-SMA	Helical Surface Mount	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L5, E1, E5b, B1, B1-2, B2, G1, G2, G3	×	30dB	<10mm	3 - 5 Vdc	25mA	34 x 51	Surface Mount	Good	SMA Male	IP67	UAV / UAS
	Trimble	AV28 112735	Puck	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, B1, B2	✓	37dB	<10mm	2.2 - 16 Vdc	20 mA	21 x 66	3/4" thru Hole	Good	TNC	MIL-STD-818-F Procedure II	Aviation
	Trimble	AV33 83553	Puck	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS	L1, E1, B1	×	43dB	<10mm	4.5 -18 Vdc	35mA	21 x 89	Bulkhead / Flush	Good	TNC	MIL-STD-818-F Procedure II	Aviation
	Trimble	AV34 86362	Puck	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS	L1, L2, E1, B1	×	43dB	<10mm	4.5 -18 Vdc	35mA	21 x 89	Bulkhead / Flush	Good	TNC	MIL-STD-818-F Procedure II	Aviation
	Trimble	AV37 82745-10	ARINC 743	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS	L1, L2, E1, B2	✓	43dB	<10mm	5 -15 Vdc	75mA	119 x 76 x 23	Bulkhead / Flush	Good	TNC	TSO Certified	Aviation
	Trimble	AV39 105728-10	ARINC 743	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS	L1, L2, L3, L5, E1, E5a, E5b, B1, B2	✓	38dB	<10mm	4.2 -15 Vdc	130mA	119 x 76 x 23	Bulkhead / Flush	Special Filtering	TNC	TSO Certified	Aviation
	Trimble	AV59 C02992	Puck	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, B1, B2	✓	39dB	<10mm	4.2 -15 Vdc	65mA	39 x 146	Bulkhead / Flush	Good	TNC	MIL-STD-818-F Procedure II	Aviation
	Harxon	HX-CA3603A	Puck	GPS, GLONASS, Beidou, SBAS	L1, B1	×	36dB	<3mm	3.3 - 12 Vdc	<45mA	27.5 x 115 x 71.8	Bulkhead / Flush	Good	TNC	IP67	Aviation
	Harxon	HX-CA7607A	Puck	GPS, GLONASS, Beidou, SBAS	L1, L2, b1, B2, B3	×	36dB	<3mm	3.3 - 12 Vdc	<45mA	27.5 x 115 x 71.9	Bulkhead / Flush	Good	TNC	IP67	Aviation
	Harxon	HX-CAX601A	Puck	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	36dB	<3mm	3.3 - 12 Vdc	<45mA	27.5 x 115 x 71.10	Bulkhead / Flush	Good	TNC	IP67	Aviation

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	PCTel	GPS-LB12GL-MAG	Low Profile	GPS, GLONASS, SBAS	L1, L2	✓	33dB	TBA	3.3 - 12 Vdc	42mA	28 x 80.4 x 119.6	Surface Magnetic Mount	Good	SMA Female	MIL-STD-810-F	Agriculture / Rolling Stock / Military
	PCTel	2225NW	All Weather	GPS, GLONASS	L1, L2, L5	✓	48dB	TBA	24 Vdc	<200mA	325 x 612.7	PELCO Mount	Excelent	N Type	IP67 160 KPH Wind	Precision WAAS
	PCTel	GNSS-L125-TNC	Puck Thru-Hole	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B1-2, B2, B3	×	28dB	TBA	2.5 - 12 Vdc	37mA	35.3 x 76.2	3/4" thru Hole	Very Good	TNC	AAR Compliant	Agriculture / Rolling Stock / Military
	PCTel	GNSS-L125-40TNC	Puck Thru-Hole	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B1-2, B2, B4	×	40dB	TBA	2.5 - 12 Vdc	37mA	40 x 105	3/4" thru Hole	Very Good	TNC	AAR Compliant	Agriculture / Rolling Stock / Military
	PCTel	GNSS-L125-PSTNC	Puck Thru-Hole	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B1-2, B2, B5	×	PASSIVE	TBA	NA	NA	35.3 x 76.2	3/4" thru Hole	Very Good	TNC	AAR Compliant	Agriculture / Rolling Stock / Military
	Harxon	HX-CS3607A	Low Profile	GPS, GLONASS, Beidou, SBAS	L1, B1	×	40dB	<2mm	3.3 - 12 Vdc	<35mA	152 x 62.2	5/8" Thread	Very Good	TNC	IP67	Infrastructure / Vehicle / survey Pole
	Harxon	GPS600	Low Profile	GPS, GLONASS, Beidou, SBAS	L1, L2, B1, B2, B3	✓	40dB	<2mm	3.3 - 12 Vdc	<45mA	152 x 62.2	5/8" Thread	Very Good	TNC	IP67	Infrastructure / Vehicle / survey Pole
	Harxon	GPS1000	Low Profile	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	40dB	<2mm	3.3 - 12 Vdc	<45mA	152 x 62.2	5/8" Thread	Very Good	TNC	IP67	Infrastructure / Vehicle / survey Pole
	Harxon	HX-CSX601A	Low Profile	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	40dB	<2mm	3.3 - 12 Vdc	<45mA	152 x 62.2	5/8" Thread	Very Good	TNC	IP67	Infrastructure / Vehicle / survey Pole
	Trimble	LV59 C03167	Low Profile	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, B1, B2	✓	39dB	<10mm	4.2 - 15 Vdc	65mA	40 x 146	5/8" Thread	Good	TNC	MIL-STD-810-F	Infrastructure / Vehicle / survey Pole
	Trimble	AG25 99038-00-INT	Compact	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓	48dB	<4mm Hor <14mm Ver	3.4 - 12 Vdc	130 mA	76 x 161	5/8" Thread or Magnet	Very Good	TNC	MIL-STD-810-F	Infrastructure / Vehicle / survey Pole
	Trimble	GA830 44830-00-INT	Ruggedised	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓ plus MSK Beacon	45dB	<5mm Hor	5.5 - 18 Vdc	110 mA	99 x 149	5/8" Thread	Special Filtering	TNC	75g Shock	Marine / Infrastructure / Vehicle
	Trimble	Zephyr 3 Rover 105000-50-INT	Compact	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓	50dB	<2mm	3.5 - 20 Vdc	125 mA	76 x 165	5/8" Thread	Special Filtering	TNC	MIL-STD-810-F	Vehicle / Survey Pole

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	Trimble	Zephyr 3 Base 115000-50-INT	Low Profile	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓	50dB	<2mm	3.5 - 20 Vdc	126 mA	79 x 343	5/8" Thread	Special Filtering	TNC	MIL-STD-810-F	Geodetic
	Trimble	Zephyr 3 Rugged 125000-10-INT	Ruggedised	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓	50dB	<2mm	3.5 - 20 Vdc	125 mA	125 x 219 inc Mount	3" Mast Mount	Special Filtering	TNC	75g Shock	Geodetic
	Trimble	Zephyr 3 Rugged 125000-30-INT	Ruggedised	GPS, GLONASS, Galileo, Beidou, QZSS, SBAS, IRNSS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3, LEX	✓	50dB	<2mm	3.5 - 20 Vdc	125 mA	86 x 187 inc Mount	5/8" Thread	Special Filtering	TNC	75g Shock	Geodetic
	Harxon	HX-CG7601A	Choke Ring	GPS, GLONASS, Beidou, SBAS	L1, L2, B1, B2, B3	×	50dB	<1mm	3.3 - 12 Vdc	<60mA	322 x 261	5/8" Thread	Special Filtering	TNC	IP67 Rugged	Geodetic
	Harxon	HX-CGX606A	Choke Ring	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	50dB	<1mm	3.3 - 12 Vdc	<60mA	322 x 261	5/8" Thread	Special Filtering	TNC	IP67 Rugged	Geodetic
	Harxon	HX-CGX601A	Choke Ring	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	50dB	<1mm	3.3 - 12 Vdc	<60mA	379 x 312	5/8" Thread	Special Filtering	TNC	IP67 Rugged	Geodetic
	Harxon	HX-CGX611A	MINI Choke Ring	GPS, GLONASS, Galileo, Beidou, SBAS	L1, L2, L3, L5, E1, E5a, E5b, E6, B1, B2, B3	✓	50dB	<1mm	3.3 - 12 Vdc	<60mA	185 x 132	5/8" Thread	Special Filtering	TNC	IP67 Rugged	Geodetic

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