

Trimble OEM GNSS Antennas

	Trimble AV16	Trimble AV17	Trimble AV28	Trimble AV29	Trimble AV33	Trimble AV34	Trimble AV39	Trimble AV59	Trimble LV59	Trimble AG25 / GA810	Trimble GA830	Zephyr 3™ Rover	Zephyr 3 Base	Zephyr 3 Rugged*	
															
Part Number	120982-16	120982-17	112735	136029	83553	86362	105728 (US) 105728-10 (Non-US)	C02992 (white) 98042 (green)	C03167	AG25: 99038-00-INT GA810: 99810-30-INT	44830-00-INT (Branded - Yellow) 44830-10 (Unbranded - Grey)	105000-50-INT	115000-50-INT	125000-10-INT	125000-30-INT
Design Type	UAV / UAS	UAV / UAS	Aviation / Land	UAV / Land	Aviation	Aviation	Aviation ARINC 743 TSO certified	Aviation / Land	Land / Vehicle	Land / Vehicle	Marine / Land / Vehicle	Land / Vehicle	Land / Geodetic	Land / Marine / Geodetic	Land / Marine / Geodetic
Size (d) x thickness (cm) Weight (kg)	4.42° x 6.24 0.037 kg	4.42° x 6.24 0.042 kg	6.6° x 2.1 0.185 kg	7.95° X 3.76 0.114 kg	8.9° x 2.1 0.20 kg	8.9° x 2.1 0.21 kg	14.27 x 11.1 x 3.76 0.39 kg	14.6° x 3.9 0.30 kg	14.6° x 3.9 0.48 kg	16.1° x 7.6 0.57 kg	14.9° x 9.9 0.82 kg	16.5° x 7.6 0.64 kg	34.3° x 7.9 1.36 kg	21.9° x 12.5 incl. Mount 2.19 kg	18.7° x 8.6 incl. Mount 1.79 kg
Mounting Style	SMA Male	SMA Male	3/4" through Hole Mount	3/4" through Hole Mount	Bulkhead / Flush	Bulkhead / Flush	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush	5/8" Thread	5/8" Thread / + Magnets	5/8" Thread	5/8" Thread	5/8" Thread	3" Mast Mount	5/8" Thread
GPS	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5
GLONASS	L1, L2	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1	L1, L2	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3	L1, L2, L3
Galileo	E1	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b E6	E1	E1	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6	E1, E5a, E5b, E6
BeiDou	B1	B1, B2	B1, B2	B1, B2 B3	B1	B1	B1, B2	B1, B2	B1, B2	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3	B1, B2, B3
QZSS	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5, LEX	L1	L1, L2	L1, L2, L5	L1, L2, L5	L1, L2, L5	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX	L1, L2, L5, LEX
IRNSS	-	L5	L5	L5	-	-	L5	L5	L5	L5	L5	L5	L5	L5	L5
SBAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
L-Band	✓	✓	✓	✓	-	-	✓	✓	✓	✓	✓ & MSK Beacon	✓	✓	✓	✓
Phase Center	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<4mm Hor <14mm Ver	<5mm Hor	<2mm	<2mm	<2mm	<2mm
Special Features	-	-	-	-	-	-	Special Filtering	-	-	AG25: 3 Magnets and Thread GA810: Thread only	Special Filtering, 75g Shock	Special Filtering		Special Filtering, 75g Shock	
Gain	35dB	35dB	37dB	40dB	43dB	43dB	38dB	39dB	39dB	48dB	45dB	50dB	50dB	50dB	50dB
DC-Feed	2.2 V - 16 V 21 mA	2.2 V - 16 V 21 mA	2.5 V - 16 V 20 mA	2.3 V - 16 V 40 mA	4.5 V - 18 V 35 mA	4.5 V - 18 V 35 mA	4.2 V - 15 V 130 mA	4.2 V - 15 V 65 mA	4.2 V - 15 V 65 mA	3.4 V - 12 V 130 mA	3.3 V - 15 V 110 mA	3.5 V - 20 V 125 mA	3.5 V - 20 V 125 mA	3.5 V - 20 V 125 mA	3.5 V - 20 V 125 mA

Product pictures not to scale. *Zephyr 3 Rugged also available without mount.



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