












# OEM GNSS Antennas

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	Trimble AV28	Trimble AV33	Trimble AV34	Trimble AV37	Trimble AV39	Trimble AV59	Trimble LV59	Trimble AG25	Trimble GA810	Trimble GA830		Zephyr 3 Rover	Zephyr 3 Base	Zephyr 3 Rugged	
															
Part Number	112735	83553	86362	82745 (US) 82745-10 (Non-US)	105728 (US) 105728-10 (Non-US)	C02992 (white) 98042 (green)	C03167	99038-00-INT	99810-30-INT	44830-00-INT (Branded)	44830-10-INT (Unbranded)	105000-50-INT	115000-50-INT	125000-10-INT	125000-30-INT
Design Type	Aviation	Aviation	Aviation	Aviation	Aviation TSO certified	Aviation	Land / Vehicle	Land / Vehicle	Land / Vehicle	Marine / Land / Vehicle		Land / Vehicle	Land / Geodetic	Land / Marine / Geodetic	
Size (d) x thickness (cm) Weight (kg)	6.6° x 2.1 0.185 kg	8.9° x 2.1 0.20 k	8.9° x 2.1 0.21 kg	11.9 x 7.6 x 2.3 0.283 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	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	3/4" through Hole Mount	Bulkhead / Flush	Bulkhead / Flush	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush ARINC 743 Footprint	Bulkhead / Flush	5/8" Thread	5/8" Thread / + Magnets	5/8" Thread	5/8" Thread		5/8" Thread	5/8" Thread	3" Mast Mount	5/8" Thread
GPS	L1, L2, L5	L1	L1, L2	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, L3	L1	L1, L2	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, E5a, E5b	E1	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, B2	B1	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, L5	L1	L1, L2	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	
SBAS	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓		✓	✓	✓	
L-Band	✓	-	-	✓	✓	✓	✓	✓	✓	✓ & MSK Beacon		✓	✓	✓	
Phase Center	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<10mm	<4mm Hor <14mm Ver	<4mm Hor <14mm Ver	<5mm Hor		<2mm	<2mm	<2mm	
Special Features	-	-	-	-	Special Filtering	-	-	3 Magnets in Bottom	-	Special Filtering, 75g Shock		Special Filtering		Special Filtering, 75g Shock	
Gain	37dB	43 dB	43 dB	43 dB	38 dB	39 dB	39 dB	48 dB	48 dB	45 dB		50dB	50dB	50dB	
DC-Feed	2.5 V - 16 V 20 mA	4.5 V - 18 V 35 mA	4.5 V - 18 V 35 mA	5.0 V - 15 V 75 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	3.4 V - 12 V 130 mA	5.5 V - 18 V 110 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 shown to scale.