

Active Magnetic Receiving Antenna 20180116  
**Component list for ordering.**

	Part value and detail	Suggested ordering detail (conrad.nl)
	<b>Axial resistors 0.25W 2.3x6.3mm</b>	
1	47 axial	
1	56 axial	
1	82 axial	
1	100 axial	
1	180 axial	
3	1k axial	
1	2k2 Axial	
1	2k7 Axial	
1	10k log	
1	10k trimmer	434676
2	100k Axial	
1	150k Axial	
1	220k Axial	
	<b>SMD resistors size 1206</b>	
1	120 1206	
1	1k2 1206	
1	2k2 1206	
2	2k7 1206	
1	10k 1206	
	<b>Radial capacitors</b>	
3	100p NP0 or C0G	
1	220p NP0 or C0G	
1	10n <b>FILM</b>	
2	100n ceramic RM2.5	
2	100n <b>FILM</b>	458238
1	330n 50V RM2.5	1578738
1	1uF 50V	
2	10u 16V	
1	2200uF 50V dxh=25x25mm, RM10	1325818

	<b>SMD capacitors</b>	
1	SMD trimmer 50 pF Murata TZB4R500AB10R00	447412
7	100n ceramic 1206	
	<b>Coils</b>	
1	Ferrite rod R61-50-400 (with 22t wire, 20.0 uH)	Amidon / Fairrite
3	Axial choke 100 uH RM5 Bourns RLB0912-101KL	1056023
1	Ferrite core 28x16x20mm Ui=800 (with 2x6t 2.8mm coax, see pic.)	1086891 or 500683
1m	RG174 A/U coax for L6	1499171
	<b>Semiconductors</b>	
2	1N4148	
1	ZPD13V	
1	BB814 (BB804)	
3	1N4001	
1	TS140S MicroDip Low drop bridge rectifier	1304774
2	1SMB3Z15 DO-214AA 15V 3W	1305172
1	UA7810CKTTR TO-263-3	1260358
1	LM317MDT TO-252-3 (D2PAK)	155586
1	Red LED 5mm	
	<b>Mechanical</b>	
1	PCB fuse 0.2 AT RM5 ESKA 887.010	536873
1	PCB fuse holder RM5 ESKA KM-381/2	618953
1	Mains transformer Block VCM5,0/2/15 (2x15V 166mA)	710932
1	Mains filter Schaffner FN2020 1A	398712
1	Mains switch (round) R13-112A	700185
1	ALU enclosure 168x103x42mm Proma 131020	523224
2	BNC bus <b>INSULATED</b> Amphenol B6651B1-NNYL3G-50	748413