

Pa0nhc active Magnetic Receiving Antenna.
Component list for ordering. 20181206

	Part value and detail	Suggested ordering detail (conrad.nl)
	Axial resistors 0.25W 2.3 x 6.3 mm	
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	
1	Potentiometer 10k LOG.	450062
	SMD resistors size 1206	
1	120 1206	
1	1k2 1206	
1	2k2 1206	
2	2k7 1206	
1	10k 1206	
	Radial capacitors	
3	100p NP0 or C0G	
1	220p NP0 or C0G	
1	10n FILM	
2	100n ceramic RM2.5	
2	100n FILM	458238
1	330n 50V RM2.5	1578738

1	1uF 50V	
2	10u 16V	
1	2200uF 50V RM10 d x h = 25 x 25 mm.	1325818
	SMD capacitors	
1	SMD trimmer 50 pF Murata TZB4R500AB10R00	447412
7	100n ceramic 1206	
	Coils	
1	Ferrite rod R61-50-400 . Ui = 125, 4" long. (with 22t 1mm wire L = 20.0 uH)	Amidon / Fair-Rite
3	Axial choke 100 uH RM5 Bourns RLB0912-101KL	1056023
1	Fair-Rite 29mm mix #31 (Type 26318012002). or FerroxCube 36mm mix 3S4 (Type T36/23/15-3S4)	Arrow.com dx-wire.de
1m	RG174 A/U or RG316 for winding L6	1499171 or 602710
	RG174 A/U or RG316 (or <u>double screened</u> RG300) for connecting the tuning unit with the antenna unit and the receiver.	
	Semiconductors	
2	1N4148	
1	ZPD13V	
1	BB814 (BB804)	
3	1N4001	
1	TS140S MicroDip <u>Low drop</u> 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	
	Mechanical	
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 166 mA)	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. One nut mount.	1564888
1	BNC bus PCB mount, 90 degr.	1570027
1	Mains cable strain relief 2.5 – 6.5mm	485976