

List of Components:

Part Number	Description	Value	Lead Spacing mm / inch	Part suggestions	Further Descriptions
C 1	Input Capacitor (i.e.: Solen, Audyn)	1,0uF / 400V DC Polypropylene Film Capacitor	30mm / 1,2 in	Audyn MKP-QS Solen Fast PA100	Highly Recommended
C2	Inverting Input Decoupling Capacitor	22uF / 250 V DC Electrolytic	Leads must be: 5,08mm / 0,2 in	Panasonic / Nichicon Electrolytic Polarized 5,08mm	See datasheet! Value recommended
C3 + C4	Supply rail filters	100nF (0,1uF) / 400V DC Polypropylene	15mm / 0,6 in	Wima MKP-10 / 400VDC	Power supply filter capacitors Or Vishay, Epcos, other MKP / MKS
C5 + C6	Supply rail decoupling	220uF – 470uF / 63V DC	5mm / 7,5mm 0,2 / 0,3 in	Panasonic FC or Nichicon or Yageo	Supply voltage bypass
C7	Zobel Network Capacitor	470nF (0,47uF) 400V DC	15mm / 0,6 in	Wima MKS-4 400VDC	Part of Zobel Network or other MKP / MKS
R1	Input impedance / Load resistor	22 k Ohm / 0,6 Watt	15mm / 0,6 in	Metal Film or Metal Oxide	Input load resistor
R2	Feedback resistor	680 Ohm / 0,6 – 1 Watt	15mm / 0,6 in	Metal Film or Metal Oxide	Feedback Do not change value!
R3	2 <sup>nd</sup> feedback resistor	22 k Ohm / 0,6 – 1 Watt	15mm / 0,6 in	Metal Film or Metal Oxide	Feedback Do not change value!
R4	Zobel Network resistor	2.2 (2R2) Ohm 2 Watt	15mm / 0,6 in	Metal Oxide (2W) or Enamelled WW (15mm)	Part of Zobel Network
Terminal s	Screw on Terminals or faston connectors	Phoenix Contact or 2 pin solder terminal	5,08mm / 0,2 in	2 pin print terminal Phoenix Contact MKDS 2-5,08	Hook up connectors or use single fastons here
Terminal 1	Signal Ground		RCA Ground		Signal GND
Terminal 2	Signal Input		RCA Audio Signal		Signal IN
Terminal 3	Speaker Output		Speaker +		Speaker +
Terminal 4	Positive Supply Voltage		Ub+ / Vs+ / Vcc		PSU V +
Terminal 5	Speaker Ground		Speaker return (-)		SPK GND
Terminal 6	Power Supply Ground		PSU GROUND RAIL		PSU GND
Terminal 7	AUX Ground or 2 <sup>nd</sup> Power Supply Ground		For Volume Pot Ground or others		PSU GND 2
Terminal 8	Negative Supply Voltage		Ub- / Vs- / Vee		PSU V -