

▼ Amplifier Kits

Classic-D Amp Module Kit

(SC November '12)

Class-D amps are commonplace amongst consumer equipment, yet have been hard to reproduce reliably in kit form, until now! This rugged and reliable Class-D audio amplifier produces up to 250W into 4Ω. Its high efficiency, high power design is ideal for building into a larger audio amplifier design. Low distortion <0.01%. Based on the IRS2092 audio amplifier chip.



Power output: Up to 150W into 8Ω and 250W into 4Ω
 Efficiency: Typically 90% at full power for 8Ω and 83% for 4Ω
 Signal to noise ratio: 103dB
 Total harmonic distortion: Typically <0.01%
 Frequency response: 10Hz-20kHz
 Power requirements: ±40-60V DC, 50-55V nominal

Price Each	RRP	4+
K 5181	105.00	93.25
K 5168 Power supply module kit	42.50	38.25
M 5535C Transformer to suit	159.00	145.00

20 Watt Amp Module Kit

(SC Dec '04) If you are looking for a low cost audio amplifier module that is easy to assemble then you can't go past this kit. It utilises the National Semiconductor LM1875T single chip audio amplifier IC which is capable of delivering 20W RMS into 8 ohms and 25W into 4 ohms. Includes heatsink. Power supply not included.



Power supply rails: 20V to 50V DC or ±10V to ±25V
 Power rating: 4W into 8 ohms 20V, 20W into 8Ω 50 V
 Signal to noise ratio: 110dB
 Total harmonic distortion: 0.025% (1kHz at 20W)
 Frequency range: 14Hz to 100kHz (1W RMS)

Price Each	RRP	5+
K 5116	40.25	36.25
K 5117 Power Supply to suit	22.95	20.75
M 5118C Transformer to suit	68.95	

Champ 0.5 Watt Amp Kit

(SC Feb '94) Physically about the same size as a standard 9V battery, this compact little amplifier delivers 0.5W of power into 8 ohms from a 9V battery. Ideal for beginners, experimenting and small audio projects. Designed around the LM386 audio amplifier IC, it uses only a handful of components and works from 4 to 12V DC.



Price Each	RRP	5+
K 2115	11.50	10.25

Champion 7 Watt Amp Kit

(SC January 2013) A fully upgraded and re-designed version of the 'Champ Amp' (above). Delivers up to 7 watts of peak power with lower noise and distortion levels. It also offers muting and standby control, plus two mixed inputs. All on one tiny board! Based on the AN7511 amplifier IC. Operates from 4 to 13.5V DC.



Price Each	RRP	4+
K 6066	16.75	15.25

200W SC200 Amplifier Module Kit

(SC Jan-May '17)

This amp design incorporates most of the features of Silicon Chip Ultra-LD Mk4 200W amp but uses easy-to-solder through-hole components - no SMD! 200W into 4Ω load. The board features clipping and power indicators & onboard DC fuses. Circuit has short circuit and overload protection. Note: heatsink sold separately.

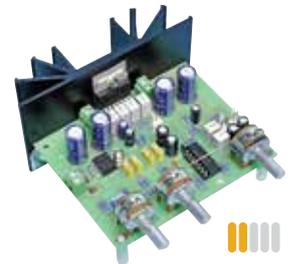


Power output: 200W RMS into 4Ω, 135W RMS into 8Ω
 Signal to noise ratio: -116dB unweighted
 Total harmonic distortion: <0.01%, 20Hz-20kHz
 Frequency response: 10Hz-20kHz
 Power requirements: ±57V DC from a 40-0-40 transformer

Price Each	RRP	4+
K 5157	130.00	120.00

12V 20 Watt Amplifier Module Kit

(SC May 2010) Amplifiers which run from 12V DC generally don't put out much power and they are usually not hi-fi as well. But this little stereo amplifier ticks the power and low distortion boxes. With a 14.4V DC supply, it will deliver 20 watts per channel into 4 Ohm loads at clipping while harmonic distortion at lower power levels is typically less than 0.03%.



Price Each	RRP	4+
K 5136	63.25	56.95

Hummingbird 100W Amplifier Module Kit

This compact amplifier module kit packs a surprising punch for its size! Whilst keeping many of the low distortion characteristics of Silicon Chips popular Ultra-LD amplifiers, it can achieve 60W into 8 ohms or 100W into 4 ohms with a distortion level below 0.0008% at 1kHz. That's way better than "CD quality" sound.



Price Each	RRP	2+
K 5158	65.00	25.00

TPA3110 2 x 15 Watt Amplifier Boards

The TPA3110 chip on board this pre-built amplifier module provides a high output, lower power consumption audio solution with great audio quality too. The compact module measures just 44 x 40mm with a rotary volume knob. It's an ideal module for integrating into your own small audio projects Available with and without bluetooth.



Price Each	RRP	2+	2+
Z 6407 Amplifier Board	23.95	21.50	19.15
K 5350 Amplifier Board with Bluetooth	29.95	26.95	23.95