



Red Roo Output Transformers

Two types of output transformers are supplied with the Red Roo 5W SE kitset, 'Standard' and 'Audiophile' grades. These transformers can be purchased separately from the kit.

The Standard transformer is supplied in the kitset because, without the very best loudspeakers and music source, you probably won't notice any difference. The Standard transformer has screen taps for Ultra-Linear mode.

The Audiophile transformer offers improved frequency response for reproducing fast transients, and a lower output impedance for improved loudspeaker damping. The Audiophile transformer can only be used in pentode or triode modes.

Both transformers are epoxy potted into an attractive black metal housing, and come with all mounting hardware.

The 'Standard' Transformer – Price A\$87 each

Maximum Power – 8 Watts RMS

Impedance – 3.5k Ohms to 4 or 8 Ohms, with screen-grid Connection.

Core – 35mm x 65mm x 55mm, Japanese Z11 steel sheet

Overall Dimensions - 72mm wide x 72mm deep x 78mm tall

Maximum DC Current Through Primary - 100mA

Primary Inductance - 38H @ 0 mADC

Primary DCR – 400 Ohms

Secondary DCR – 8 Ohm winding – 2.9 Ohms, 4 Ohm winding – 2.1 Ohms

Frequency Response* - 3dB @ 15Hz – 25k

*** Note: please also refer to the specifications for the Red Roo amplifier.**

The transformer has a resonance about 35kH.



The 'Audiophile' Transformer – Price A\$157 each

Two Audiophile transformers are offered as an option with the Red Roo 5W SE kit, in place of the Standard transformers, for an additional \$140.

Maximum Power – 10 Watts RMS

Impedance – 3.5k Ohms to 4 or 8 Ohms (no screen-grid tap)

Core – E176 x 40, Material: 35H360(H14)

Overall Dimensions – 68 wide x 82 deep x 91 tall

Maximum DC Current Through Primary - 75mA

Primary Inductance - 20H @40Hz, 5Vrms, 60mA, Test machine HIOKI 3522-50 LCR Meter

Primary DCR – 215 Ohms @ 20deg.C

Secondary DCR – 8 Ohm winding 1.1 Ohms, 4 Ohm winding 0.8 Ohms

DC Isolation – 1000V DC

Frequency Response *

- 3dB @ 20Hz – 60k (Pentode connection)

- 3dB @ 10Hz – 75k (Triode connection)

* Note: please also refer to the specifications for the Red Roo amplifier.

The transformer has a resonance at about 75kHz

