



**NOTES:**

- 1/ Set VR1 to obtain ~60V across R5
- 2/ R7 & VR2 form a variable shunt input attenuator. Sources should be able to drive 33k load. The phono-stage is specifically designed for this input load.
- 3/ C7 & C8 are a non-polar L cancelling pair. This arrangement of 50V & 6.3V Blackgate non-polar capacitors achieves excellent bypass efficiency at lower cost than using 330u types.
- 4/ D1 & D2 are to protect C7/C8 if a tube fails.
- 5/ Normal mode is triode: Energise RL1,2 & 3 for UL

**RECOMMENDED COMPONENTS:**

- Resistors, Holco metal film;
- H4 (1/2W, 1%) and H2 (1W, 1%)
- 2W, Kiwame carbon film
- 12W, Mills MRB-12
- Decoupling capacitors, Solen or AEON film.
- Coupling capacitors, Multicap TFT
- C5 & C6, Blackgate N
- C7 & C8, Blackgate NX

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**EL34 INTEGRATED AMPLIFIER**

Switchable on-the-fly Triode / UL  
AUDIO CIRCUIT (Pg 1 of 3)  
mc6demo\data\data\el34int  
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