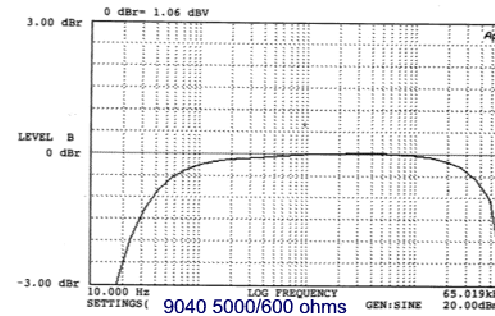
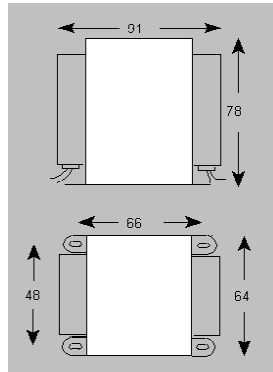


# Sowter type 9040

## Tube to line Output Transformer

### (Ratio 5:1)

Package size H



**APPLICATION** For driving a balanced or unbalanced audio line from a single ended pre amplifier. Ideal for HiFi pre amplifier or for studio microphone or distribution amplifier. Best low frequency performance is obtained when driven from a low impedance source (Valve with a low plate resistance,  $r_p$ ) but 20Hz 3 dB point possible with a 5K source. When terminated with a 600 ohm load the reflected anode load is 15K which is ideal for most low power triodes. Reflected load may be adjusted by adjusting the load resistance.

**FEATURES** A very large core to ensure a high bandwidth and low output impedance. High grade grain oriented silicon iron (M6) core for minimal losses and harmonic distortion. Multi section winding ensures minimal leakage inductance for an exceptional bandwidth. Low copper resistance which permits an output impedance of 87 ohms when driven from a valve with  $r_p = 1000$  ohms and a secondary load of 600 ohms.

| Ratio | Z ohms<br>(nominal) | Primary inductance<br>(large signal) | I<br>dc  | DC Resistance pry<br>/ secy | Bandwidth<br>(3 dB points)      |
|-------|---------------------|--------------------------------------|----------|-----------------------------|---------------------------------|
| 5:1   | 15k:600ohms         | 50 H                                 | 40<br>mA | 650 / 34 ohms               | 20Hz-60kHz<br>(5000 ohm source) |

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