OUTPUT TRANSFORMERS

(TYPE) O/P Trans.

"DE LUXE" OUTPUT TRANSFORMERS ....................70/- each
Fully shrouded and fully vacuum varnish impregnated construction. All conn-
nections to tag panel. Grain-orientated laminations giving working primary
inductance of 67 H. Low leakage inductance of 21 mH. Frequency response
better than 3 dB down at 30 c/s and 35 kc/s at maximum rated output of 30 W.

Primary: 6-6 kΩ C.T. with 43% Screen Taps (EL34, KT66).
8 kΩ C.T. and 9 kΩ C.T. (6L6, 6V6, EL84).
Rated 125 mA d.c. max.

Secondary: To suit 3 Ω, 7 Ω, 15 Ω speech coils, rated 30 W.

Dimensions: W. 3-12" H. 4-5" D. 3-12" FC. 1-875" x 2-687" WT. 5± lb.

30 W, 100 V LINE TRANSFORMER ............................ 67/6 each
30/100 Line O/P
Construction as for "De Luxe" type above. May be used with our 100 V Line
Matching Transformers (Page 33). Primary inductance 25 H min. Leakage
inductance 14 mH max. Frequency response better than 3 dB down at 40 c/s
and 35 kc/s at maximum rated output of 30 W.

Primary: 6-5 kΩ C.T. (EL34, KT66).
8 kΩ and 10 kΩ C.T. (6L6, 6V6, EL84).
Rated 125 mA d.c. max.

Secondary: 100 V, 30 W.

"EL84" OUTPUT TRANSFORMERS ..........................33/6 each
Specially designed for use with EL84 and equivalent valves in push-pull ultra-
linear circuits. Extended frequency response of 40 c/s to 25 kc/s ±1 dB at
15 W suits quality amplifiers. Working primary inductance not less than 25 H.
Leakage inductance 25 mH. Dimensions and style of construction identical to
our "Heavy-Duty" type listed below.

Primary: 8 kΩ C.T. with 43% Screen Taps.
Rated 95 mA d.c. max.

Secondary: To suit 3 Ω, 7 Ω, 15 Ω speech coils, rated 15 W.

"HEAVY-DUTY" .......................................................24/- each
"Clamp" construction, vacuum varnish impregnated. Connections brought to
solder tags on an insulated panel.

Primary: 4 kΩ to 6-5 kΩ C.T. rated 80 mA d.c.

Secondary: To match 2 Ω to 15 Ω speech coils by 5 taps, rated 15 W.

This Transformer provides 6 ratios from 13:1 to 43:1.

Dimensions: W. 3-12" H. 2-62" D. 2" FC. 3-62" WT. 2± lb.

"HYGRADE" .........................................................16/6 each
"Clamp" construction, vacuum varnish impregnated. Connections brought to
solder tags on an insulated panel.

Primary: 2 kΩ to 8 kΩ by 5 taps inclc. C.T., rated 60 mA d.c.

Secondary: To match 2 Ω to 15 Ω speech coils by 4 taps, rated 7 W.

This transformer provides 15 ratios from 11:1 to 46:1.

Dimensions: W. 2-62" H. 2" D. 1-93" FC. 3-40" WT. 1± lb.
“STANDARD” ................................................................. 8/9 each
“Clamp” construction, vacuum varnish impregnated. Connections brought to solder tags on an insulated panel.
Primary: 4 kΩ to 16 kΩ by 4 taps incl. C.T., rated 40 mA d.c.
Secondary: To match 2-5 Ω to 15 Ω speech coils by 4 taps rated 3-5 W.
This Transformer provides 12 alternative ratios between 15:1 to 128:1.
Dimensions: W. 2-12” H. 1-75” D. 1-62” FC. 2-5” WT. 14 oz.

“CHOKE” OUTPUT ........................................................... 9/9 each
“Clamp” construction, vacuum varnish impregnated. Connections brought to solder tags on an insulated panel.
Primary: 2-4 kΩ (UL84) to 4-5 kΩ (EL84) rated 60 mA d.c. Primary has two taps, at 1-5% and 7-5% for hum smoothing circuits.
Secondary: To match 3 Ω, 7 Ω or 15 Ω speech coils, rated 5-6 W.
Dimensions: W. 2-12” H. 1-75” D. 1-62” FC. 2-5” WT. 14 oz.

“MIDGET” CHOKE OUTPUT ........................................... 7/6 each
“Clamp” construction, fully vacuum varnish impregnated, connections brought to solder lugs.
Primary: 4-5 kΩ (EL84), rated 45 mA. Primary has two taps at 3-5% and 10% for hum smoothing circuits.
Secondary: To match 3 Ω speech coils only, rated 5 W.
Dimensions: W. 1-75” H. 1-5” D. 1-25” FC. 2-18” WT. 8 oz.

“ECONOMY” ................................................................. 7/6 each
“Clamp” construction, vacuum varnish impregnated. Connections brought to solder lugs.
Primary: 4 kΩ to 18 kΩ by 4 taps incl. C.T., rated 40 mA d.c.
Secondary: To match 2-5 Ω speech coils only, rated 3-5 W. This Transformer provides 6 ratios from 36:1 to 72:1.
Dimensions: W. 2-12” H. 1-75” D. 1-62” FC. 2-5” WT. 14 oz.

“MIDGET” .......................................................... 6/8 each
“Clamp” construction, vacuum varnish impregnated. Connections brought to solder lugs.
Primary: From 3 kΩ to 18 kΩ by 3 taps rated 30 mA d.c.
Secondary: To match 2-5 Ω speech coils only, rated 2 W. This Transformer provides ratios of 30:1, 50:1 and 80:1.
Dimensions: W. 1-75” H. 1-5” D. 1-12” FC. 2-18” WT. 8 oz.

“MINIATURE” ................................................................. 5/– each
Specially designed for “Personal” Receivers. “Clamp” construction, vacuum varnish impregnated. Connections to solder lugs to suit printed circuit boards.
Primary: To suit DL94 and similar outputs, rated 12 mA d.c.
Secondary: To match 2-5 Ω speech coils only, rated 1 W. This Transformer provides a single ratio of 50:1 only.
Dimensions: W. 1-06” H. .81” D. .88” FC. 1-06” WT. 1 oz.

P.M.7 “REPLACEMENT” TYPE ........................................ 12/6 each
P.M.7 O/P Trans.
TRANSISTOR TRANSFORMERS

T/T (+ No.) Trans.
Modified "Clamp" construction with "twist" type mounting lugs to suit printed circuit-boards. Fully vacuum varnish impregnated.

<table>
<thead>
<tr>
<th>CODE NO.</th>
<th>FUNCTION</th>
<th>APPLICATION</th>
<th>RATIO &amp; DIMENSIONS</th>
<th>PRICE EACH</th>
</tr>
</thead>
<tbody>
<tr>
<td>T/T3</td>
<td>Driver</td>
<td>OC71 into 2 x OC72 Single ended pp. (5 mW)</td>
<td>3.6 : 1 + 1 Split Sec. Dimensions: W. -75&quot;, H. -78&quot;, D. -81&quot;, WT: 1 oz.</td>
<td>6/4</td>
</tr>
<tr>
<td>T/T5</td>
<td>Driver</td>
<td>OC81D into 2 x OC81 Single ended p.p. (2 mW)</td>
<td>5.5 : 1 + 1 Split Sec. Dimensions: W. -75&quot;, H. -78&quot;, D. -81&quot;, WT: 1 oz.</td>
<td>7/-</td>
</tr>
<tr>
<td>T/T6</td>
<td>Driver</td>
<td>OC81D into 2 x OC81 (2 mW)</td>
<td>2.8 : 1 C.T. Sec. Dimensions: W. -75&quot;, H. -78&quot;, D. -81&quot;, WT: 1½ oz.</td>
<td>6/10</td>
</tr>
<tr>
<td>T/T7</td>
<td>Output</td>
<td>2 x OC81 &quot;Class B&quot; into 3 Ω speech coil (500 mW)</td>
<td>9.2 : 1 C.T. Prim. Dimensions: W. -44&quot;, H. -16&quot;, D. -91&quot;, WT: 2½ oz.</td>
<td>7/6</td>
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</tbody>
</table>

I.F. TRANSFORMERS

"STANDARD" I.F.'s .................................................. 15/- per pair

STD. I/F. Trans. (455 kc/s)
For two-hole fixing, all windings fully impregnated, Trimmed by variable Ferrite Cores over range 455-470 kc/s. Supplied in matched pairs only.
Dimensions (each): W. 1.23" H. 2.5" D. 1" FC. 1.1" (Diagonal). WT: 3 oz. per pair.

"MIDGET" I.F.'s .................................................. 13/6 per pair

Midget I/F. Trans. (+ Frequency)
For two-hole fixing. All windings fully impregnated, trimmed by variable Iron Dust Cores. Frequency range 465-470 kc/s. Supplied in matched pairs only.
Dimensions (each): W. 0.81" H. 1.37" D. 0.81" FC. 0.56" WT: 1½ oz. per pair.
“STANDARD” L.F. TRANSFORMERS .....................10/6 each
STD. L.F. Trans. (3 : 1)
Layer wound intervalve transformer. Connections to solder lugs.
Primary: d.c. Max. 12 mA. Step-up ratio 3 : 1, Sec. C.T.
Dimensions: W. 2-12” H. 1-75” D. 1-62” FC. 2-5” WT. 13 oz.

“MIDGET” L.F. TRANSFORMERS
Midget L.F. Trans. (+ Ratio)
Intervalve transformers. Connections to solder lugs.
Primary (both types): d.c. Max. 8 mA. Choice of step-up ratios.
Ratio 3 : 1 .................................................7/6 each
Ratio 5 : 1 .................................................7/9 each
Dimensions: W. 1-75” H. 1-5” D. 1-25” FC. 2-15” WT. 7 oz.

ISOLATING/MATCHING TRANSFORMERS
These Transformers are designed to isolate extension loudspeakers or headphones when used with “live chassis” a.c./d.c. receivers, or as input transformers to feed tape recorders, etc. from such receivers or to match loudspeakers to different output impedances. Double-wound, “clamp” construction fully vacuum varnish impregnated.

“UNIVERSAL” .............................................11/6 each
Universal Spkr. Isol. Trans.
Primary and secondary tapped 3, 7 and 15 Ω to match any speaker to any load. “Snap-on” cover guards the terminals when mounted in accessible positions.
Rated 5 W max. Flash-tested at 2,000 V a.c.
Dimensions: W. 2-12” H. 1-87” D. 1-62” FC. 2-5” WT. 10 oz.

“MIDGET” ..................................................6/6 each
Spkr. Isolating Trans.
Connections to solder lugs. Ratio 1 : 1 for 3 Ω speakers but gives good results up to 15 Ω. Rated 2 W max. Appearance similar to “Midget” Output Transformer illustrated on page 31. Flash-tested at 2,000 V a.c.
Dimensions: W. 1-75” H. 1-5” D. 1-18” FC. 2-12” WT. 7 oz.

“100 V LINE” MATCHING TRANSFORMER ...............18/9 each
100 V Line Trans.
To match loudspeakers to 100 V output of P.A. amplifiers. See 30 W 100 V Line Transformer (Page 30). Universal type to suit 3 or 15 Ω speakers, and provided with taps to deliver 1, 2, 5 or 10 W. Clamp construction, with connections to tag-panel. Fully vacuum varnish impregnated.
Dimensions: W. 2-37” H. 2-12” D. 2” FC. 2-81” WT. 1 lb. 5 oz.

LINE MATCHING TRANSFORMER 600Ω .................12/6 each
600 Ω Matching Trans.
“Potted” construction and enclosed in aluminium screening case. Appearance similar to “Standard” Microphone Transformer, overleaf. Fully vacuum varnish impregnated. Connections to flexible leads. Ratio 20:1 to match 600 Ω to 250 kΩ Response 100 c/s. to 10 kc/s. ± 3 dBs. Flash-tested at 2,000 V a.c. For suitable mounting clips see page 70.
Dimensions: L. 2-25” Dia. 1-75” WT. 8 oz.
"HYGRADE" MICROPHONE TRANS. ............... 29/6 each
Hygrade Mike Trans.

Dimensions (excluding mounting bush): L. 1-70" Dia. 1-31" WT. 4½ oz.

"STANDARD" MICROPHONE TRANS. ............... 13/- each
Std. Mike Trans.
"Potted" construction and enclosed in aluminium screening case. Fully vacuum varnish impregnated. Connections to flexible leads. Ratio 35:1 to suit microphones of 100 Ω impedance. Response 3 dB down at 100 c/s and 8 kc/s. For suitable mounting clips see page 70.

Dimensions: L. 2" Dia. 1-37" WT. 3½ oz.

TELEVISION TRANSFORMERS
Individually boxed "Replacement" types.

FRAME OUTPUT TRANSFORMERS
FR/OP (+ No.) Trans.

<table>
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<tr>
<th>CODE NO.</th>
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<th>PRICE EACH</th>
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LINE OUTPUT TRANSFORMERS
L.O.P. (+ No.) Trans.

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<th>PRICE EACH</th>
</tr>
</thead>
</table>

ION TRAPS ........................................... 3/6 each
For general use with all tubes, including pentode and tetrode tubes operating at E.H.T. voltages up to 18 kV. Insulated spring fixing device.

Dimensions: H. 2-12" W. 1-5" D. 0-5"