OUTPUT TRANSFORMERS

(Type) O/P Trans.

"DE LUXE" OUTPUT TRANSFORMERS .....70/– each

Fully shrouded and fully vacuum varnish impregnated construction. All connections to tag panel. Grain-orientated laminations give 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" × 2·687" WT. 5¼ 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. 2¼ lb.

"HYGRADE" .....16/6 each

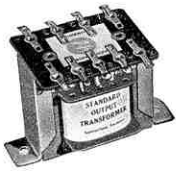
"Clamp" construction, vacuum varnish impregnated. Connections brought to solder tags on an insulated panel.

Primary: 2 kΩ to 8 kΩ by 5 taps incls. 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. 1¼ 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 incls. 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 incls. 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.

A special type to suit Philips models 310A, 341A, 400A, 411A, 431A, 500A, 522A, 531A, 622A, 624A, Stella: ST102A.

TRANSISTOR TRANSFORMERS

T/T (+ No.) Trans.

Modified "Clamp" construction with "twist" type mounting lugs to suit printed circuit-boards. Fully vacuum varnish impregnated.

CODE NO.	FUNC-TION	APPLICATION	RATIO & DIMENSIONS	PRICE EACH
T/T1	Driver	OC71 into 2×OC72 2 mW	1 : 1 C.T. Sec. *Dimensions:* W. ·75", H. ·62", D. ·62", WT. ¾ oz.	5/9
T/T2	Output	2×OC72 "Class B" into 3 Ω speech coil (200 mW)	6·6 : 1 C.T. Prim. *Dimensions:* W. ·75", H. ·62", D. ·62", WT. ¾ oz.	7/3
T/T3	Driver	OC71 into 2×OC72 Single ended pp. (5 mW)	3·6 : 1+1 Split Sec. *Dimensions:* W. 1·06", H. ·78", D. ·81", WT. 1 oz.	6/4
T/T4	Output	Single OC72 "Class A" into 3 Ω speech coil (50 mW)	9·2 : 1 *Dimensions:* W. ·75", H. ·62", D. ·62", WT. ¾ oz.	5/6
T/T5	Driver	OC81D into 2×OC81 Single ended p.p. (2 mW)	5·5 : 1+1 Split Sec. *Dimensions:* W. 1·06", H. ·78", D. ·81", WT. 1 oz.	7/–
T/T6	Driver	OC81D into 2×OC81 (2 mW)	2·8 : 1 C.T. Sec. *Dimensions:* W. 1·06", H. ·78", D. ·81", WT. 1¼ oz.	6/10
T/T7	Output	2×OC81 "Class B" into 3 Ω speech coil (500 mW)	9·2 : 1 C.T. Prim. *Dimensions:* W. 1·44", H. 1·16", D. ·91", WT. 2½ oz.	7/6

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.

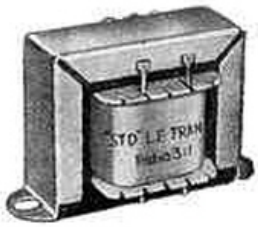
"MIDGET" I.F.'s .....13/6 per pair

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. ·81" H. 1·37" D. ·81" FC. ·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.

"Potted" construction and enclosed in a heavy "Mu-metal" case for minimum hum pick-up. Fully vacuum varnish impregnated. Mounting by single ·375" screwed bush through which pass flexible connecting leads. Ratio 65: 1 to suit microphones of 20-30 Ω impedance. Primary C.T. Response 3 dB down at 50 c/s and 20 kc/s.

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.

CODE NO.	FOR MAKES AND MODELS	PRICE EACH
FR/OP 151	BANNER: BT 114, 117 & C. COLUMBIA: C503, 505, 506. SOBELL: TS17, T121, T122, T143, T144, T145 & C, T174C, TRG174, T175 & LC, TRG175, T176, T224, T274, T277, T346	**17/6**

LINE OUTPUT TRANSFORMERS

L.O.P. (+ No.) Trans.

CODE NO.	FOR MAKES AND MODELS	PRICE EACH
L.O.P. 108	FERGUSON: 306T, 308T. H.M.V.: 1865, 1869	**47/6**

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. 0·5⅝"