

## ELSTONE OUTPUT TRANSFORMERS



### MULTI-RATIO TYPE MR/T2

#### Matching Data

Ratio	Primary Load ohms For Speaker Impedance		
	2/3 Ω	7.5 Ω	15 Ω
12.5 : 1	390	1170	2340
15.5 : 1CT	600	1800	3600
20 : 1	1000	3000	6000
23 : 1	1300	4000	8000
25 : 1CT	1560	4680	9360
30 : 1CT	2400	7200	14400
38 : 1	3600	10800	21600
40 : 1CT	4000	12000	
50 : 1CT	6250	18750	
60 : 1	9000		
80 : 1CT	16000		

**MR/T2** 4 watts. Max. D.C. 50MA. 17 Ratios. 6-Centre-Tapped. Dimensions: H2" × W2" × D1 1/4".

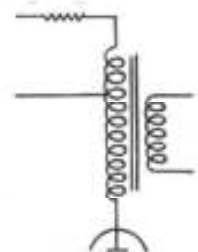
Net Price 6/8

Types **MR/T4** and **MR/T5** described below both have the primary tapped for smoothing **MR/T4** 4 watts. Max. D.C. 50MA. Ratios available are 40-45-50 : 1 for valves with anode loads of 3000-7500 Ω and speaker impedance of 2-3 Ω  
Dimensions: As **MR/T2**.

Net Price 6/8

**MR/T5**. 3 watts. Single ratio of 45 : 1 for anode loads of 4000-5000 Ω with speaker impedance of 2-3 Ω  
Dimensions: H1 1/4" × W2".

Net Price 6/8



### MULTI-RATIO TYPE MR/7

Ratios 24, 30, 41, 48, 60, 81 and 114 to 1. Ratios 48, 60, 81 and 114 to 1 are Centre-Tapped, 4 watts. Max. D.C. 50MA.  
Net Price 6/8

### MULTI-RATIO TYPE MR/T3

A heavy duty Transformer with 20 Single Ratios and 16 Push-Pull Ratios. Rating 7 watts Max. D.C. 60MA. Dimensions: W2 1/2" × D1 1/4" × H2".

Matching Data MR/T3							
Ratio	Single Ended Ratios Primary Load Ω For Speaker Impedance			Ratio	Push-Pull Ratios Primary Load Ω For Speaker Impedance		
	2/3 Ω	7.5 Ω	15 Ω		2/3 Ω	7.5 Ω	15 Ω
13 : 1	420	1260	2500	20 : 1	1000	3000	6000
20 : 1	1000	3000	6000	23 : 1	1300	4000	8000
23 : 1	1300	4000	8000	30 : 1	2400	7200	14400
25 : 1	1560	4680	9360	32 : 1	2560	7680	15360
28 : 1	2000	5870	11560	35 : 1	3000	9200	18400
30 : 1	2400	7200	14400	37 : 1	3400	10200	20400
32 : 1	2560	7680	15360	42 : 1	4400	13200	
35 : 1	3000	9200	18400	44 : 1	4800	14400	
37 : 1	3400	10200	20400	50 : 1	6250	18750	
40 : 1	4000	12000		55 : 1	7500	22500	
42 : 1	4400	13200		60 : 1	9000	27000	
44 : 1	4800	14400		64 : 1	10000		
50 : 1	6250	18750		67 : 1	11000		
55 : 1	7500	22500		70 : 1	12000		
60 : 1	9000	27000		78 : 1	15000		
64 : 1	10000			100 : 1	25000		
67 : 1	11000						
70 : 1	12000						
78 : 1	15000						
100 : 1	25000						

Using ratios of 20, 30, 32, 42, 55 : 1, a section of the primary may be used for smoothing.



**MR/T3** 20 Single Ended Ratios, 16 Push-Pull. Net Price 11/6

NOTE:— Types **MR/T2**—**MR/T3**—**MR/7** are also for use as line Transformers for P.A. Systems.

## ELSTONE OUTPUT TRANSFORMERS

### MULTI-RATIO OUTPUT TRANSFORMER TYPE MR/7

Rating 10 watts. Max. Primary Current Each Half, 80MA.  
Size: 2½" high × 3" wide × 2½" deep. Fixing centres 3½".



MR/7 14 Single Ended Ratios,  
11 Push-Pull Net Price 15/4

Single Ended Ratios Primary Load Ω For Speaker Impedance			Push-Pull Ratios Primary Load Ω For Speaker Impedance				
Ratio	2/3 Ω	7.5 Ω	15 Ω	Ratio	2/3 Ω	7.5 Ω	15 Ω
9 : 1	200	600	1200	13 : 1	420	1260	2500
13 : 1	420	1260	2500	15 : 1	600	1800	3600
15 : 1	600	1800	3600	19 : 1	900	2700	5400
19 : 1	900	2700	5400	22 : 1	1200	3600	7200
20 : 1	1000	3000	6000	23 : 1	1300	4000	8000
22 : 1	1200	3600	7200	27 : 1	1800	5400	10800
23 : 1	1300	4000	8000	30 : 1	2400	7200	14400
27 : 1	1800	5400	10800	35 : 1	3000	9200	18400
28 : 1	2000	5870	11560	43 : 1	4600	13800	
30 : 1	2400	7200	14400	50 : 1	6250	18750	
35 : 1	3000	9200	18400	100 : 1	25000		
43 : 1	4600	13800					
50 : 1	6250	18750					
100 : 1	25000						

Using ratios of 13, 10, 23, 30, 43 : 1, a section of the primary may be used for smoothing.



### OUTPUT TRANSFORMER TYPE MP/T

With a Ratio of 57/1 this transformer matches the popular 7000—8000 Ω impedance mains pentodes to the usual 2—4 Ω Speakers. This replacement can be used for many service jobs.  
Size: 1½" high × 2½" wide × 1½" deep. Fixing centres 2½". Net Price 5/8

### MIDGET OUTPUT TRANSFORMER TYPE MO/T

Three Ratios—33, 55 and 90/1, covering anode loads of 1500—20000 Ω. This transformer is suitable for portable and small receivers. Max. D.C. current 30MA.  
Size: 1¼" high × 1½" wide × 1" deep. Fixing centres 2¼". Net Price 5/-



### PERSONAL RECEIVER OUTPUT TRANSFORMER TYPE PO/T

Identical specification, dimensions and mountings to those used in Ever Ready and Marconi-Phone Personal Portables. Size: 1" high × ½" wide × ¼" deep. Net Price 10/-



### INTERVALVE TRANSFORMERS

**Type LF 35.** Ratio 1—3.5. Mumetal core. Primary Inductance 40-60H. For Parallel Feed connection only. With a coupling condenser of 25 mfd. Primary Resonance occurs within the Low Frequency Band, thus giving a base lift. Net Price 8/-

**Type LF 36.** Ratio 1—3.5. Secondary centre-tapped for push-pull connection. Specification as for above. Net Price 8/-

Types LF and Microphone

**Type LF 37.** Ratio 1—3. Max. Primary D.C. 3MA. Mumetal core. 2" × 1.2" Net Price 8/-

**Type LF 38.** A high quality transformer with Split Secondary for push-pull input with separate biasing circuits or by bridging the inner secondary tags this transformer may be used to feed a single output stage.

SECTIONALISED WINDINGS ensure low leakage inductance and brilliant top note response. A generous core of expensive RADIO METAL giving a high primary inductance, even with heavy primary D.C. current flowing, results in an excellent Bass response. Max. D.C. Primary Current 20 MA. Dimensions: 2" high × 2" wide × 1½" deep.

**Type LF 38** makes an excellent blocking oscillator transformer. Net Price 16/-

### MICROPHONE TRANSFORMERS

**Type M00.** Ratio 1—60 For 12 to 50 Ω M.C. or Ribbon Microphones. Net Price 8/-

**Type M100.** Ratio 1—100 For 12 to 50 Ω M.C. or Ribbon Microphones. Net Price 8/-

Guaranteed 2 years

## ELSTONE OUTPUT TRANSFORMERS



### MULTI-RATIO TYPES MR/15 and MR/30

Ratios available on each type, single ended or push-pull, 13, 16, 18, 20, 22, 27, 33, 40, 52, 66 and 80/1. Primary Loading 2000 to 16000Ω. Secondary impedance 1 to 30Ω. Full instructions with each transformer

#### MR/15 watts

Maximum primary current for single ended stage 90MA.

For Push-Pull stage, 100MA in each half of primary.

#### Dimensions:

3½" high × 3¼" wide × 2½" deep  
Fixing centres 3¼"

Net Price 30/-

#### MR/30 watts

Maximum primary current for single ended stage 100MA.

For Push-Pull stage, 100MA in each half of primary.

#### Dimensions:

3½" high × 3¼" wide × 3¼" deep  
Fixing centres 3¼"

Net Price 36/8

MR/15 and MR/30



### LINE TO SPEAKER TRANSFORMERS

This series of transformers will match a speaker or group of speakers to an output of 15—250 or 600Ω, or as stated.

List No.	Rating Watts	Primary Impedance ohms	Secondary Impedance ohms	H. W. D. Inches	F.C.	Net Price
LS1	6	15	2.5	2 × 2 × 1½	2½	8/4
LS2	15	250-600	15. 7.5 3.75	3½ × 2½ × 2½	3	30/-
LS3	30	300-600	15. 7.5 3.75	3½ × 3½ × 2½	3½	36/8
LS4	50	200-600	15. 7.5 3.75	3½ × 3½ × 3	3½	40/-

P.A. and L.S. Types

The above transformers will permit speaker matching from 100V line up to 100 watts. Details upon request. If you have a P.A. line matching problem, we can supply a transformer suitable for your requirements.

### PUSH-PULL SINGLE SERVICE OUTPUT TRANSFORMERS

List No.	Watts	Primary Ω A—A	Secondary Ω	For Valve Types	Net Price
OT/ML	10	8000	15-3.75	EL84 Ultra Linear 43%	30/-
OT912	12	7000	15-3.75	N709 Ultra Linear 20%	30/-
OT6	10	6000	15-3.75	EL84 Low Loading, 10P14	30/-
OT8	10	8000	15-3.75	EL84 Normal Loading, EL32	30/-
PA14L	10	10000	15-7.5-3.75	6F6, N78, 6AQ5, EL33, EL90, PL33	26/8
PA10VL	15	10000	15-7.5-3.75	6AQ5, 6BW6, 6V6, KT81, KT61, EL41	30/-
PA80L	15	8000	15-7.5-3.75	6BW6, 6V6, 7C5, N709, 6P25, EL84	30/-
PA50L	15	5000	15-7.5-3.75	6L6, 6V6	30/-
PA50HL	15	5000	600-15-7.5	6L6, 6V6	40/-
PA10L	20	10000	15-7.5-3.75		30/-
OT37HL	20	4000	500-15-7.5	EL37, KT33C, KT66	40/-
PA66L	25	7000	15-7.5-3.75	6L6, PEN 428	36/8
PA66HL	25	7000	400-15-7.5	6L6, PEN 428	43/4
OT66HL	30	8000	300-15-7.5	KT66	43/4
OT37	35	4000	300-15-7.5	EL37	50/-
OT66	50	5000	200-15-7.5	KT66	56/8
MR/W	20	10000	3-6-14-5-230	Williamson KT66	60/-

Guaranteed for 2 years