

TRIOTRON VALVES

COMPARATIVE TABLE.

2 VOLT TYPES FOR BATTERY OPERATION.

Mullard	Marconi-Osram.	Triotron.	Cossor.	Mazda.
PM12	S21	S207	215SG	SG215
PM12A	S24	S215	220SG	S215A
PM12M	VS24	S208	220VSG	S215VM
—	H2	WD2	210RC	H210
PM1HL	H210	HD2	210HF	HL2
PM2DX	HL210	SD2	210Det	HL2
—	L210	TD2	210LF	L2
PM2A	P215	ZD2	215P	P22A
PM2A	LP2	YD2	220P	P220
—	P2	UD2N	230NP	P240
PM202	—	E235	—	—
PM22A	PT2	P225	220PT	Pen220A
PM2B	B21	E220B	240B	220B

4 VOLT TYPES FOR BATTERY OPERATION.

PM4	S410	S409	41SG	—
PM3A	H410	W420	410RC	—
PM3	—	H412	410HF	—
PM4DX	HL410	A430	410LF	—
PM4	P410	E414	410P	—
PM254	—	E425	425NP	P425
PM24A	PT425	P425	—	—

POWER AMPLIFIERS.

AC044	PN4	K435/10	4XP	PP3/250
DO24	PN25	K480	—	PP3/400
DO60	DA60	K450/50	—	—
PM24M	—	P435	PT41B	—
PM24B	PT25	P440	—	—

4 VOLT A.C. TYPES.

—	—	S415N	—	—
—	MS4B	S410N	MSG LA	AC/SG
VP4	VMP4	S434N	MVS Pen	—
SP4	MSP4	S435N	MS/Pen	—
904V	MH41	A440N	41MH	AC2/HL
104V	ML4	E430N	—	ACP
—	—	B430N	—	—
Pen. 4V	PT4	P440N	MP/Pen	AC Pen

20 VOLT D.C. TYPES.

SP20	—	S2035N	—	—
VP20	—	S2034N	—	—
HL20	—	A2040N	—	—
—	—	E2020N	—	—
—	—	B2030N	—	—
—	—	P2020N	—	—

RECTIFIERS.

DW2	U10	G470	506BU	UU60/250
DW3 or 4	U14	G4120	460BU	UU120/500
—	—	G4100	—	—
—	—	G4150	—	—

TRIOTRON

TECHNICAL SERVICE DEPARTMENT

is placed at the disposal of all purchasers or intending purchasers of TRIOTRON VALVES. There is a Triotron Valve suitable for each stage of YOUR receiver. If you are in doubt as to the best choice—ask us and we shall be happy to assist you.

HAVING CHOSEN—BE FIRM

If your dealer does not stock TRIOTRON Valves, get in touch with us and we shall be pleased to make special arrangements to meet your convenience.

THERE ARE NO BETTER VALVES THAN TRIOTRON NONE "JUST AS GOOD"

Finally make use of Triotron Service. Advice is given free on any Radio problem. Just send your query with stamped addressed envelope for reply.

Our Address is:

**TECHNICAL SERVICE DEPARTMENT
TRIOTRON RADIO CO. LTD,
TRIOTRON HOUSE,
BLOOMSBURY STREET,
LONDON W.C.1.**

TRIOTRON

VALVES

1934 RANGE

**TYPES AND
CHARACTERISTICS.**

**COMPARATIVE
TABLE.**

TRIOTRON 1934 VALVE GUIDE.

2 VOLT TYPES FOR BATTERY OPERATION.

Type	OPERATION.					AVERAGE CHARACTERISTICS.								Purpose.	Retail Price.
	Fil. volts.	Fil. current.	Maximum anode volt.	aux. grid volts.	Norm. G.B.	Norm. anode Current	Norm. Screen current.	Slope	amp. factor	imp.	anode grid cap.	Max anode diss.	Opt. load imp.		
S. 207	2.0	0.15	200	100	1.5	3.0	0.5	0.7	250	—	0.01	—	—	H.F. Amplifier	10/6
S. 215	2.0	0.18	150	90	1.5	2.75	0.25	1.5	500	—	0.05	—	—	H.F. Amplifier	10/6
S. 208	2.0	0.15	200	100	0-20	2.0	0.25	0.8	250	—	0.05	—	—	Variable-mu S.G.	10/6
W. D. 2.	2.0	0.08	200	—	2.5	1.0	—	1.0	25	25,000	—	—	—	Detector or L.F. amplifier followed by R.C. coupling	5/-
H. D. 2.	2.0	0.08	200	—	5.0	5.0	—	1.0	15	15,000	—	—	—	Detector or H.F. amplifier	5/-
S. D. 2.	2.0	0.1	200	—	5.0	7.0	—	1.5	18	12,000	—	—	—	Super detector	5/-
T. D. 2.	2.0	0.08	150	—	7.0	7.0	—	0.9	9	10,000	—	—	—	General purpose	5/-
Z. D. 2.	2.0	0.15	150	—	15.0	10.0	—	1.0	5	5,000	—	3.0	13,000	Small power output	6/6
Y. D. 2.	2.0	0.22	200	—	11.0	15.0	—	2.0	9	4,000	—	—	—	Steep slope power valve	6/6
U. D. 2. N.	2.0	0.22	150	—	15.0	15.0	—	2.0	4	2,000	—	3.0	5,000	Power output, large grid swing	6/6
E. 235.	2.0	0.33	200	—	12.0	18.0	—	3.0	9	3,000	—	4.0	8,000	Steep slope power valve	6/6
P. 225.	2.0	0.2	150	150	4.5	10.0	2.0	2.0	80	40,000	—	3.0	15,000	Pentode output	10/6
E.220 B.	2.0	0.3	150	—	—	3.0	—	2.0	—	—	—	2 x 2	20,000	Positive Drive, 'Class B' Amp.	10/6

4 VOLT TYPES FOR BATTERY OPERATION.

S. 409	4.0	0.1	200	100	1.0	4.0	0.35	0.9	350	400,000	0.005	—	—	H.F. Amplifier	10/6
W. 420.	4.0	0.1	200	—	2.5	1.2	—	2.0	38	19,000	—	—	—	Detector & L.F. amplifier followed by R.C. coupling	5/-
H. 412.	4.0	0.07	150	—	9.0	3.5	—	0.9	9	10,000	—	—	—	Detector & L.F. amplifier	5/-
A.430.	4.0	0.1	200	—	3.0	6.0	—	3.0	24	8,000	—	—	—	Super detector	5/-
E. 414.	4.0	0.1	150	—	12.0	12.0	—	1.4	6	4,300	—	2.0	7,500	Small power output	5/6
E. 425.	4.0	0.3	250	—	32.0	20.0	—	2.0	5	2,500	—	5.0	3,000	Power output, large grid swing	7/-
P. 425.	4.0	0.25	300	200	25.0	20.0	5.0	2.0	60	30,000	—	6.0	10,000	Output pentode	12/6

POWER AMPLIFIERS.

K. 435/10	4.0	0.65	250	—	40.0	40.0	—	3.5	3.5	1,000	—	10.0	1,500	Power output valve	12/6
K. 480	4.0	2.0	550	—	36.0	45.0	—	8.0	10.0	1,250	—	25.0	3,500	Special purpose power valve. Steep slope	22/6
K. 450/50.	4.0	3.0	400	—	50.0	120.0	—	4.0	5.0	1,250	—	50.0	1,500	Special purpose power valve. Large grid swing	45/-
P. 435.	4.0	1.1	250	250	14.0	36.0	6.0	3.0	130.0	43,000	—	9.0	7,000	Output pentode	13/6
P. 440.	4.0	2.0	550	200	40.0	45.0	10.0	3.0	100.0	33,000	—	25.0	14,000	Output pentode	30/-

4 VOLT A.C. TYPES.

S. 415 N.	4.0	1.0	200	100	2-40	3.0	0.5	1.5	300.0	—	.003	—	—	Variable-mu H.F. Amplifier	12/6
S. 410 N.	4.0	1.0	200	60	2.0	4.0	0.5	1.0	400.0	400,000	.02	—	—	H.F. Amplifier	12/6
S. 434 N.	4.0	1.1	200	100	2-35	5.0	1.0	3.5	2000.0	—	.002	—	—	Variable-mu H.F. pentode	12/6
S. 435 N.	4.0	1.1	200	100	2.0	3.0	0.5	3.5	5000.0	1,450,000	.002	—	—	H.F. pentode	12/6
A. 440 N.	4.0	1.0	200	—	1.5	0.2	—	4.0	120.0	30,000	—	—	—	Super detector	8/6
E. 430 N.	4.0	1.0	200	—	15.0	15.0	—	3.0	9.0	3,000	—	3.0	10,000	L.F. or power valve	8/6
B. 430 N.	4.0	1.0	200	33	2.3	0.35	—	0.3	1000.0	—	.003	—	—	Diode Tetrode	13/6
P. 440 N.	4.0	1.1	250	250	15.0	24.0	4.0	3.5	175.0	50,000	—	6.0	7,500	Output pentode	12/6

20 VOLT D.C. TYPES.

S. 2035 N.	20.0	0.18	200	100	2.0	3.0	0.25	3.5	5,000	1,450,000	.002	—	—	H.F. pentode	12/6
S. 2034 N.	20.0	0.18	200	100	2-35	5.0	1.0	3.5	2,000	—	.002	—	—	Variable-mu H.F. pentode	12/6
A. 2040 N.	20.0	0.18	200	—	1.5	0.2	—	4.0	100	25,000	—	—	—	Super detector	8/6
E. 2020 N.	20.0	0.18	200	—	18.0	15.0	—	2.0	6	3,000	—	5	7,500	Power output or L.F. frequency	8/6
B. 2030 N.	20.0	0.18	200	30	2.0	0.35	—	0.3	1,000	—	.003	—	—	Diode tetrode	13/6
P. 2020 N.	20.0	0.18	200	200	18.0	20.0	3.5	2.5	70	280,000	—	5	9,000	Output pentode	12/6

RECTIFIERS.

Type.	Fil. volt.	Fil. current.	Max. anode voltage.	Max. D.C. Output. (voltage)	Max. D.C. Output. (Current)	Purpose.	Price.
G. 470.	4.0	1.0	2 x 300	300	70	Full wave rectification	7/6
G. 4120	4.0	2.0	2 x 500	500	120	Full Wave "	12/6
G. 4100	4.0	2.0	1 x 750	700	100	Half Wave "	14/6
G. 4150.	4.0	3.0	1 x 750	700	150	Half Wave "	48/-

Convert your battery receiver to "Class B" operation, by using :-

Triotron "Class B" Amplifier	Price 22/6
or	
Triotron "Class B" Unit	Price 49/6