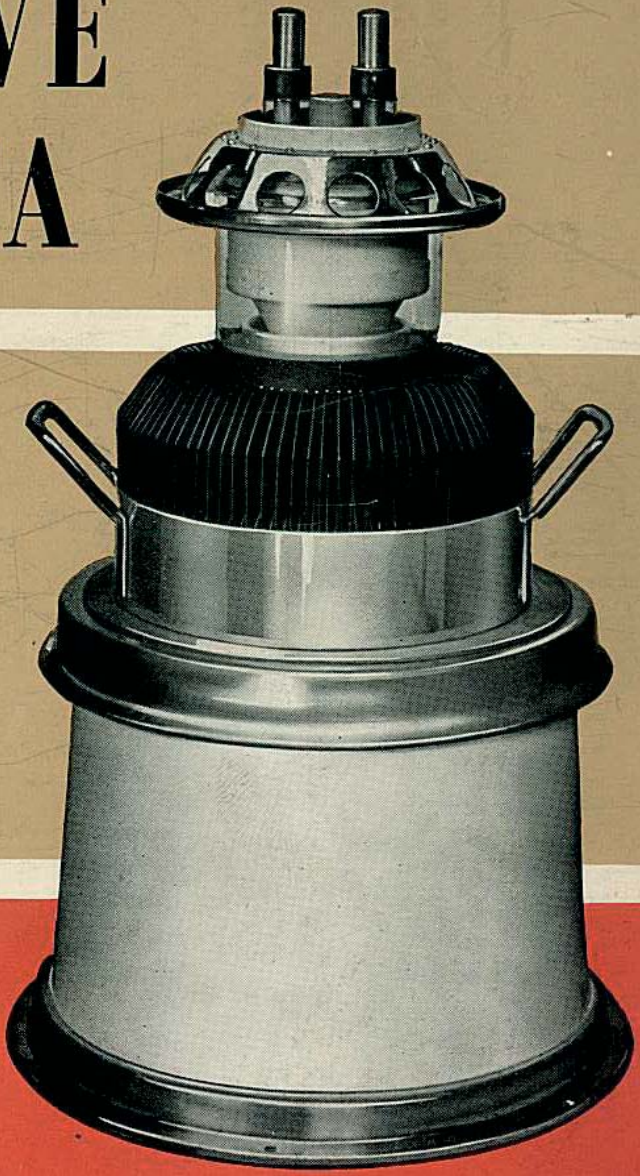
JANUARY 1961

ABRIDGED VALVE DATA



ENGLISH ELECTRIC VALVE CO. LTD.

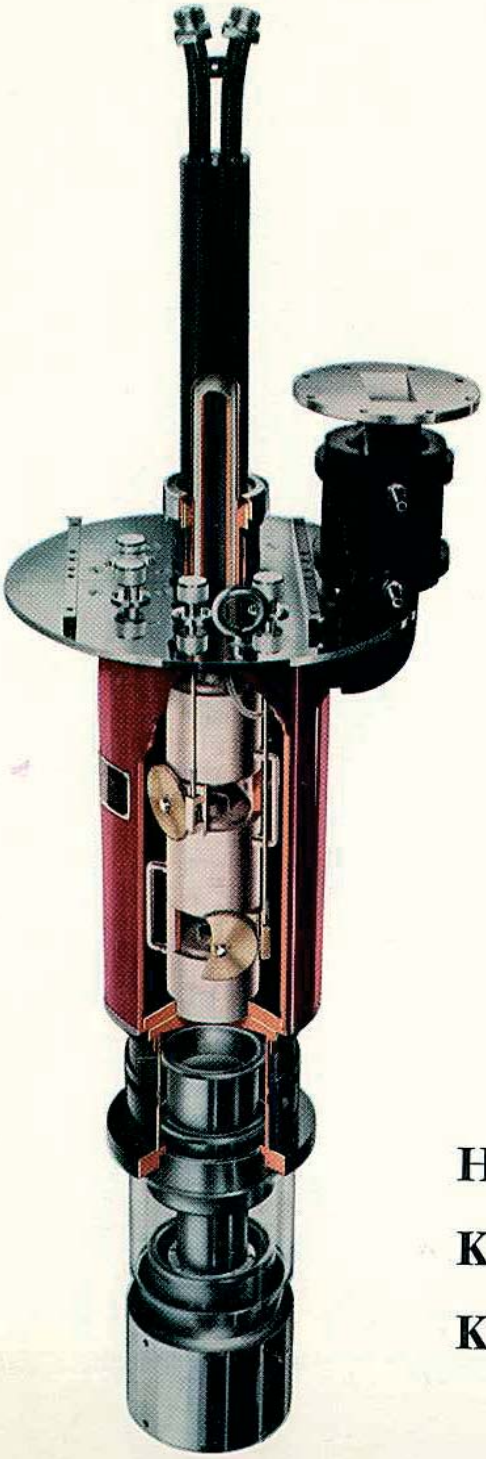
Represented in Thailand by

YIP IN TSOI & CO. LTD.

P.O. Box 23, Bangkok

Telegrams: TINBANK

Telephone: 34961 (5 lines)



HIGH POWER KLYSTRON K352

JANUARY 1961

This quick reference brochure, which is issued annually, gives abridged data for all E.E.V. Co. valves up to the time of going to press.

The supply of certain types listed in this brochure, when they are not available from current production, may be subject to a minimum quantity being ordered.

Detailed data for any type will be supplied upon request and if your name is on our mailing list, copies of all free publications will be sent immediately they become available.

Please see page 38 for information on the complete E.E.V. Co. Valve Data Books.

We welcome enquiries for special valves not included in this catalogue

VALVE REPLACEMENT INDEX

We welcome enquiries for special valves not included in this catalogue

The following index lists valves of various manufacturers for which E.E.V. Co. valves may be used as replacements. Service type numbers are also listed. In most cases replacement is a simple plug-in matter but where some minor adjustment to the circuit may be necessary this is indicated by an asterisk*. For the sake of completeness all E.E.V. Co. types are included under 'Type to be replaced'.

Type to be replaced	E.E.V. type	Pg. No.
OA2	OA2	20
OA2WA	OA2WA	20
OA3	OA3	20
OA3/VR75	OA3	20
OB2	OB2	20
OB2WA	OB2WA	20
OC2	OC2	20
OC3	OC3	20
OC3/VR105	OC3	20
OD3	OD3	20
OD3/VR150	OD3	20
OG3	QS1209/5651	21
1B59	1B59	23
2–25A	A235	10
2B29	829B	18
2B32	832A	18
2G/473C	AX228	9
2H28	3B28	9
2J30	2J30	28
2J31	2J31	28
2J32	2J32	28
2J33	2J33	28
2J34	2J34	28
2J42	2J42	28
2J42A	6027	29
2J50	2J50	—
2J55	2J55	28
2J56	2J56	28
3B22	3B22	9
3B24W	3B24W	10
3B28	3B28	9
3C24	3C24	14
3C45	FX227*	24
3C45/PL345	FX227*	24
3E29	3E29	—
3J/121E	BR152B	15
3J/161J	BR1129	16
3J/162J	BR1129	16
4–125A	C1108*	18
4–250A	C1112*	18
4B13	813	18
4B32	4B32	9
4C35	4C35	24
4C35/PL435	4C35	24
4D21	C1108*	18
4D32	4D32	18
4H32	4B32	9
4H72	872A	8
4J31	4J31	28
4J32	4J32	28
4J33	4J33	28
4J34	4J34	28
4J35	4J35	28
4J43	4J43	28
4J44	4J44	28
4J50	4J50A*	28
4J50A	4J50A	28
4J52A	4J52A	28
4J53	4J53	29
4J78	4J78	29
4KM50,000LA	4KM50,000LA	25
4PR60A	C1133*	19
5C22	5C22	24
5C22/HT415	5C22	24
5C22/PL522	5C22	24
5C/100A	813	18
5D22	C1112*	18
5F22A	C1112	18
5H69A	869B	8
6D4	6D4	23
7H57	AH205/857B	8
8T92R	BR175*	15
11TA31	OA2*	20
11TF25	STV280/40	22
12E12	C1111*	19
12TF25	STV280/80	22
75B1	QS75/20	20
85A2	QS1209/5651	21
90C1	QS1215	21
95A1	QS95/10	21
108C1	OB2	20
150B2	QS1200	21
150B3	QS150/15	21
150C2	OA2	20
150C3	OD3	20
150C4	OA2	20
715C	C1111*	19
813	813	18
829B	829B	18
832A	832A	18
833A	833A	14
857B	AH205/857B*	8
869B	869B	8
872A	872A	8
872AX	872A	8
889R–A	889R–A	—
892R	BR175*	15
4049D	AH221	8
5586	5586	29
5651	QS1209/5651	21
5651WA	QS1212*	21
5657	5657	29
5736	5736	15
5762	5762	15
5771	BW165	16
5820	5820	36
5823	5823	23
5894	C178A/5894	18
5949	FX229*	24
6027	6027	29

Type to be replaced	E.E.V. type	Pg. No.
6073	OA2WA	20
6074	OB2WA	20
6075	CW1100	19
6076	CR1100	19
6130	FX227*	24
6155	C1108	18
6156	C1112	18
6166	CR192*	19
6181	6181	19
6198	6198	37
6252	C1134*	18
6268/4C35	4C35	24
6279/5C22	5C22	24
6326	6326	37
6354	QS1200	21
6474	6474	36
6849	6849	36
6861	6861	34
6866	E702*	33
7038	7038	37
7182	7182	29
7293	7293	36
7294	7294	36
7295	7295	36
7384	7384	24
7389	7389	36
7475	QS92/10	20
A207	A207	10
A235	A235	10
A237	A237	10
A239	3B24W	10
A291	A291	10
A296	A296	10
ACS4	CR1100*	19
ACT9	BR152B	15
ACT14	BR140*	15
ACT16	BR153*	15
ACT29	BR1138*	16
AFX203	AFX203	23
AFX212	6D4	23
AFX234	AFX234	23
AG3B28	3B28	9
AG869B	869B	8
AG872A	872A	8
AH200	AH200	8
AH205	AH205/857B	8
AH205/857B	AH205/857B	8
AH211	AH211A*	8
AH211A	AH211A	8
AH213	869B	8
AH217	872A	8
AH221	AH221	8
AH238	AH238	8
ATW10–3	BR128B*	15
AX4–125A/4D21	C1108*	18
AX4–250A/5D22	C1112*	18
AX224	3B28	9
AX228	AX228	9
AX230	4B32	9
AX9903	C178A/5894*	18
AX9907	CW1100*	19
AX9907R	CR1100*	19
AX9910	C1134*	18
AX9911	4C35*	24
AX9912	5C22	24
B142	833A	14
B1109	3C24	14
BA9–20	N1010	33
BR128B	BR128B	15
BR140	BR140	15
BR152B	BR152B	15
BR153	BR153	15
BR155	BR155	15
BR161	BR161	15
BR175	BR175	15
BR179	BR179	15
BR189	BR189	15
BR191B	5762	15
BR194	BR194	15
BR195	BR195	15
BR1102	BR1102	17
BR1103	BR1103	17
BR1106	BR1106	15
BR1115	BR1115	17
BR1121	BR1121	17
BR1122	BR1122	16
BR1124	BR1124	17
BR1126	BR1126	17
BR1129	BR1129	16
BR1131	BR1131	16
BR1132	BR1132	16
BR1138	BR1138	16
BT79	FX227	24
BTL6–1	BR1106*	15
	BR1124*	17
BW140	BW140	16
BW153	BW153	16
BW161	BW161	16
BW165	BW165	16
BW173	BW173	16
BW179	BW179	16
BW189	BW189	16
BW194	BW194	16
BW1102	BW1102	17
BW1103	BW1103	17
BW1115	BW1126	17
BW1121	BW1121	17
BW1124	BW1124	17
BW1126	BW1126	17
BW1139	BW1139	16
BY189	BY189	16
BY194	BY194	17
BY1102	BY1102	17
BY1121	BY1121	17
BY1122	BY1122	17
C1A	AFX203*	23
C143	813	18
C144	829B	18
C178A	C178A/5894	18
C178A/5894	C178A/5894	18
C180	832A	18
C1108	C1108	18
C1111	C1111	19
C1112	C1112	18
C1123	4D32	18
C1133	C1133	19
C1134	C1134	18
CAT29	BW1139	16

VALVE REPLACEMENT INDEX—*continued*

We welcome enquiries for special valves not included in this catalogue

Type to be replaced	E.E.V. type	Pg. No.	Type to be replaced	E.E.V. type	Pg. No.	Type to be replaced	E.E.V. type	Pg. No.	Type to be replaced	E.E.V. type	Pg. No.
CO43	N1010*	33	CV1070	QS92/10	20	CV1916	4J33	28	CV2416	C1133	19
CO119	N1034*	33	CV1435	AH221	8	CV1949	6D4	23	CV2424	M549	31
			CV1449	872A	8	CV1994	BR152B*	15	CV2425	M539	31
CR176	CR176	19	CV1475	M507	30	CV2130	C1108	18	CV2426	M529	31
CR192	CR192	19	CV1476	M507	30	CV2131	C1112	18	CV2473	M538A	31
CR1100	CR1100	19	CV1477	M507	30	CV2159	BR153	15	CV2494	K351	27
CR1101	6181	19	CV1478	M507	30	CV2160	A207	10	CV2496	K329	25
			CV1479	M501	29	CV2161	K301	26	CV2518	4B32	9
CV5	AH221	8	CV1480	M501	29	CV2164	K302	26	CV2520	5C22	24
CV26	813	18	CV1481	M501	29	CV2203	FX215	24	CV2666	829B	18
CV28	BR152B	15	CV1482	M501	29	CV2225	QS1200	21	CV2673	AH205/857B	8
CV188	QS92/10	20	CV1483	M519	30	CV2263	K305	26	CV2736	3C24 (in pairs)	14
CV216	OD3	20	CV1484	M519	30	CV2273	K312	26	CV2744	4J34	28
CV284	QS75/20	20	CV1485	M519	30	CV2281	M537	31	CV2752	C1133	19
CV286	QS95/10	21	CV1486	M519	30	CV2282	K308	26	CV2797	C178A/5894	18
CV287	QS150/15	21	CV1495	M528	31	CV2284	4J50A	28	CV2799	C1134	18
CV370	M508	30	CV1496	M528	31	CV2304	K324	26	CV2852	2J56	28
CV372	FX227	24	CV1497	M528	31	CV2322	BR161	15	CV2858	3B24W	10
CV395	QS150/45	21	CV1498	M528	31	CV2323	BR179	15	CV2868	AFX203	23
CV398	C1111	19	CV1499	M528	31	CV2324	CR176	19	CV2871	BW140	16
CV422	QS108/45	21	CV1500	M528	31	CV2343	K335	26	CV2872	BW153	16
CV427	C1111	19	CV1600	BW173	16	CV2362	M525	30	CV2902	GX402	22
CV434	QS75/60	20	CV1629	AH238	8	CV2363	M525	30	CV2993	FX231	24
CV449	QS1209/5651	21	CV1747	M505	29	CV2364	M525	30	CV3521	FX229	24
CV482	A237	10	CV1787	4C35	24	CV2365	M525	30	CV3528	M513A	30
CV513	4J53	29	CV1807	2J31	28	CV2366	M525	30	CV3540	5C22	24
CV532	AH211A	8	CV1808	2J32	28	CV2367	M525	30	CV3543	4D32	18
CV635	833A	14	CV1809	2J33	28	CV2368	M525	30	CV3599	3E29	—
CV642	872A	8	CV1810	2J34	28	CV2373	M502A	29	CV3611	5586	29
CV686	OC3	20	CV1832	OA2	20	CV2376	M521	30	CV3629	FX227*	24
CV788	832A	18	CV1833	OB2	20	CV2381	N1034	33	CV3659	M501A	29
CV789	3C24	14	CV1835	3B28	9	CV2383	5762	15	CV3660	M501A	29
CV904	BR175	15	CV1897	4J34	28	CV2393	N1010	33	CV3661	M501A	29
CV1068	STV280/40	22	CV1898	4J35	28	CV2399	AX228	9	CV3662	M501A	29
CV1069	STV280/80	22	CV1914	4J31	28	CV2412	M523	30	CV3676	2J42	28

RECTIFIERS

GERMANIUM RECTIFIERS

TRIODES

TETRODES

COLD CATHODE TUBES

THYRATRONS

KLYSTRONS

MAGNETRONS

B.W.O. STORAGE TUBES

TRAVELLING WAVE TUBES

T.V. CAMERA

Type to be replaced	E.E.V. type	Pg. No.
CV3798	OA3	20
CV3815	3B22	9
CV3953	4J78	29
CV3958	5657	29
CV3976	M509	30
CV3982	M506A	30
CV4020	OA2WA	20
CV4028	OB2WA	20
CV4048	QS1212	21
CV4052	QS1202	21
CV4053	QS1203	21
CV4054	QS1213	21
CV4515	K337	26
CV5018	4J52A	28
CV5023	AFX234	23
CV5031	M548	31
CV5083	QS75/20	20
CV5218	BR189	15
CV5219	CR1100	19
CV5235	2J56*	28
CV5268	7384	24
CV6003	K342	27
CV6022	FX290	24
CV6023	N1034S	33
CV6024	N1010S	33
CW1100	CW1100	19
CX1119	7384	24
CX1120	CX1120	24
DQ4	872A*	8
DQ4a	AH221*	8
DQ6	869B	8
DQ7	AH205/857B*	8
DR813	813	18
DR832A	832A	18
DR833A	833A	14
DR857B	AH205/857B*	8
DR869B	869B	8
DR872A	872A	8
DX2	3B28	9
E125A	C1108*	18
E250A	C1112*	18
E702	E702	33
E702A	E702A	33
EL1C	3B22	9
ELC1A	AFX203*	23
EN93	6D4	23
ES833	833A	14
ESA892	BR175*	15
ESU77	A207	10
ESU103	3B28	9
ESU200	AH221*	8
ESU872	872A	8
F-857B	AH205/857B*	8
F-869-B	869B*	8
F-872-A	872A	8
FX215	FX215	24
FX219	5C22	24
FX225	4C35	24
FX227	FX227	24
FX229	FX229	24
FX231	FX231	24
FX290	FX290	24
G10/1dV	3B28*	9
G180/2M	QS150/45	21
GD85M/S	QS1209/5651	21
GD100A/S	QS92/10	20
GD100B/S	QS92/10*	20
GD150A/S	OD3	20
GD150M/S	OA2	20
GHT1	FX215	24
GL-4D21/ 4-125A	C1108*	18
GL-4-250A/ 5D22	C1112*	18
GL-813	813	18
GL-829-B	829B	18
GL-832-A	832A	18
GL-833-A	833A	14
GL-857B	AH205/857B*	8
GL-869B	869B	8
GL-872A	872A	8
GL-5762	5762	15
GL-5894	C178A/5894	18
GL-6181	6181	19
GTR95M/S	QS95/10	21
GTR150M/S	QS150/15	21
GU18	AH238	8
GU20/21	AH221* / AH238*	8
GU23	AH221*	8
GX402	GX402	22
GXU1	3B28	9
GXU2	4B32*	9
GXU3	AX228	9
GXU4	AX228*	9
JP9-7	2J42	28
JP9-7A	M508	30
JP9-7D	M503A	29
JP9-15	6027	29
JP9-50	2J56	28
JP9-80	4J52A	28
JP9-250	4J50A	28
JP9-250A	4J78	29
K300	K300	26
K301	K301	26
K302	K302	26
K305	K305	26
K308	K308	26
K311	K311	26
K312	K312	26
K313	K313	26
K315	K315	26
K317	K317	26
K321	K321	26
K323	K323	26
K324	K324	26
K328	K328	26
K329	K329	25
K335	K335	26
K336	K350	27
K337	K337	26

Type to be replaced	E.E.V. type	Pg. No.
K340	K340	27
K342	K342	27
K343	K343	27
K345	K345	27
K346	K346	27
K347	K347	25
K350	K350	27
K351	K351	27
K352	K352	25
K354	K354	—
K357	K357	27
K359	K359	27
K361	K361	27
K4001	K4001	25
KD21	OA3	20
KD4	OC3	20
KD25	OD3	20
KS6–1000 D, E, F	K345 D, E, F	27
KS7–1000 A, B, C, Z	K345 A, B, C, Z	27
KU25	FX231	24
M501	M501	29
M501A	M501A	29
M501B	M501B	29
M502	4J50A	28
M502A	M502A	29
M503	M503A	29
M503A	M503A	29
M504	M504	29
M505	M505	29
M506A	M506A	30
M507	M507	30
M508	M508	30
M509	M509	30
M510	2J30 to 2J34	28
M511	4J78	29
M513A	M513A	30
M518A	4J31 to 4J35 & 4J53	28 29
M519	M519	30
M521	M521	30
M523	M523	30
M525	M525	30
M526	2J42	28
M528	M528	31
M529	M529	31
M535	M535	31
M536	4J43 & 4J44	28
M537	M537	31
M538A	M538A	31
M539	M539	31
M542	5586	29
M543	7182	29
M546	M546	31
M547	M547	31
M548	M548	31
M549	M549	31
M551	4J52A	28
M554	M554	31
M555	M555	31
M558	M558	31
M559	M559	31
M561	M561	31
M565	M565	32
M566	M566	32
M569	M569	32
M570	M570	32
M573	M573	32
M574	M574	32
M4011	M4011	32
M8098	QS1212	21
M8142	QS1213	21
M8223	OA2WA	20
M8224	OB2WA	20
ML–7C24	5762	15
ML–813	813	18
ML–829B	829B	18
ML–832A	832A	18
ML–833A	833A	14
ML–857B	AH205/857B*	8
ML–869B	869B	8
ML–872A/ 872	872A	8
ML–5736	5736	15
ML–5894	C178A/5894	18
ML–6198	6198	37
MPS1A	MPS1A	10
N1001	N1001	34
N1002	N1002	34
N1004	N1004	34
N1005M	N1005M	34
N1010	N1010	33
N1010S	N1010S	33
N1013	N1013	34
N1016M	N1016M	34
N1017M	N1017M	34
N1018M	N1018M	34
N1022M	6861	34
N1024M	N1024M	34
N1025M	N1025M	34
N1029	N1029	34
N1031	N1031	35
N1032	N1032	35
N1033	N1033	35
N1034	N1034	33
N1034S	N1034S	33
N1039	N1039	35
N4001	N4001	35
N4003	N4003	35
N4004	N4004	35
P120–1a	813*	18
P535/1E	C1111	19
P552/1E	C1111	19
P807	7293	36
P809	7294	36
P810	6198	37
P811	7295	36
P812	P812	37
P813	6326	37
P815	P815	37
P816	5820	36
P817	6474	36

RECTIFIERS

GERMANIUM RECTIFIERS

TRIODES

TETRODES

COLD CATHODE TUBES

THYRATRONS

KLYSTRONS

MAGNETRONS

B.W.O. STORAGE TUBES

TRAVELLING WAVE TUBES

T.V. CAMERA

Type to be replaced	E.E.V. type	Pg. No.
P820	P820	37
P822	7389	36
P825	P825	37
P826	P826	37
PL–4D21	C1108*	18
PL–5C22/ HT415	5C22	24
PL–5D22	C1112*	18
Q160–1	C1108*	18
Q400–1	C1112*	18
QBL5/3500	CR1100	19
QBW5/3500	CW1100	19
QQEO3/20	C1134	18
QQEO4/20	832A	18
QQEO6/40	C178A/5894	18
QQVO3–20A	C1134	18
QQVO4–15	832A	18
QQVO6–40A	C178A/5894	18
QQVO7–40	829B	18
QS75/20	QS75/20	20
QS75/60	QS75/60	20
QS83/3	QS1209/5651	21
QS92/10	QS92/10	20
QS95/10	QS95/10	21
QS108/45	QS108/45	21
QS150/15	QS150/15	21
QS150/40	OD3	20
QS150/45	QS150/45	21
QS1200	QS1200	21
QS1202	QS1202	21
QS1203	QS1203	21
QS1205	OA3	20
QS1206	OC3	20
QS1207	OA2	20
QS1208	OB2	20
QS1209	QS1209/5651	21
QS1209/5651	QS1209/5651	21
QS1210	OA2WA	20
QS1211	OB2WA	20
QS1212	QS1212	21
QS1213	QS1213	21
QS1215	QS1215	21
QT1250	QT1250	23
QT1251	QT1251	23
QV20–P18	C1133*	19
QY2–100	813	18
QY3–125	C1108	18
QY4–250	C1112	18
QY4–400	C1136	—
QY5–3000A	CR1100	19
QY5–3000W	CW1100	19
RG3–1250	AH238	8
RG4–1250	AH221	8
RK813	813	18
RK829B	829B	18
RK832A	832A	18
RK872A	872A	8
RR3–250	3B28	9
RR3–1250	4B32	9
RR3–1250A	AX228	9
RS1007	C1108*	18
SAL–39	K329*	25
SRS362	833A*	14
SRS455	C1108*	18
SRS456	C1112*	18
SRS4451	829B*	18
	C178A/5894*	18
SRS4452	832A*	18
StR85/10	QS1209/5651*	21
StR108/30	OB2*	20
StR150/30	OA2*	20
StR280/40	STV280/40*	22
StR280/80	STV280/80*	22
STV280/40	STV280/40	22
STV280/80	STV280/80	22
T813	813	18
TH2J30–34	2J30–34	28
TH3B24W	3B24W	10
TH4J50A	4J50A	28
TH4J52A	4J52A	28
TH833A	833A	14
TH2200 Series	K345 Series	27
TH5031	872A	8
TH5040	869B	8
TH5221	3B28	9
TH5586	5586	29
TH5657	5657	29
TH6435	4C35	24
TH6522	5C22	24
TH6907	FX229*	24
TT10	813	18
TT16D	C1108	18
TT20	C1134	18
TX12–12W	BW140*	16
TY4–350	833A	14
UE813	813	18
UE833A	833A	14
UE872A	872A	8
VA201B	K351	27
VA220 Series	K345 Series	27
VA713 Series	VA713 Series	11
VA719 Series	VA719 Series	11
VR75/30	OA3	20
VR105/30	OC3	20
VR150/30	OD3	20
WL–5D22	C1112*	18
WL–813	813	18
WL–829–B	829B	18
WL–832A	832A	18
WL–833A	833A	14
WL–857B	AH205/857B*	8
WL–869B	869B	8
WL872–A/ 872	872A	8
WL5736	5736	15
XH3–045	FX227	24
XH8–100	4C35	24
XH16–200	5C22	24
XH25–500	FX229	24
Z900T	5823	23
Z5823	5823*	23

MERCURY VAPOUR RECTIFIERS—Oxide Coated Filament

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament		Peak inverse voltage max. (kV)	Peak anode current max. (A)	Mean anode current max. (A)	Max. d.c. output 3-phase full wave		Base
						Voltage (V)	Current (A)				Voltage (kV)	Current (A)	
869B	—	869B	—	366	131	5·0	19	20	10	2·5	19	7·5	3-Pin Jumbo
872A	AH217	872A	CV642 CV1449	216	59	5·0	7·5	10	5·0	1·25	9·5	3·75	B4F 4-Pin Jumbo
AH200	—	—	—	457	133	2·5	40	20	10	2·5	19	7·5	Special
AH205/ 857B	857B/ AH205	857B△	CV2673	505	194	5·0	30	22	40	10	21	30	Flying Leads
AH211A	Replaces AH211	—	CV532	340	81	2·5	30	16	8·0	2·0	15·2	6·0	Special
AH221	—	—	CV5 CV1435	270	59	4·0	11	20	5·0	1·25	19	3·75	G.E.S.
AH238	—	—	CV1629	250	59	4·0	7·0	13	5·0	1·25	12·4	3·75	G.E.S.

△ Electrical equivalent.

XENON FILLED RECTIFIERS—Oxide Coated Filament

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament		Peak inverse voltage max. (kV)	Peak anode current max. (A)	Mean anode current max. (A)	Max. d.c. output 3-phase full wave		Base
						Voltage (V)	Current (A)				Voltage (kV)	Current (A)	
3B22††	—	3B22	CV3815	153	42	2·5	6·25	0·725†	4·0	0·5	—	—	Medium UX4
3B28	AX224	3B28	CV1835	156	53	2·5	5·0	10‡	1·0	0·25	9·5	0·75	Medium UX4
								5·0§§	2·0	0·5	4·7	1·5	
4B32	AX230	4B32	CV2518	216	59	5·0	7·1	10‡	5·0	1·25	9·5	3·75	B4F 4-Pin Jumbo
AX228	AX228	—	CV2399	258	59	4·0	11	13‡	6·0	1·25	12·3	3·75	G.E.S.
								10‡	6·0	1·5	9·5	4·5	

†† This rectifier has two separate anodes brought out to the base. Anode current ratings are per anode.

† For operation up to 250 c/s.

‡ For operation up to 150 c/s.

§§ For operation up to 500 c/s.

We welcome enquiries for special valves not included in this catalogue

HIGH VACUUM RECTIFIERS—Thoriated Tungsten Filament

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament		Peak inverse voltage max. (kV)	Peak anode current max. (A)	Mean anode current max. (mA)	Nominal impedance (ohms)	Base
						Voltage (V)	Current (A)					
3B24W	A239	3B24W	CV2858	122	40	5·0	3·0	20	0·3	60	1490	Medium UX4
A207	—	—	CV2160	250	60	4·0	12	45	1·1	350	600	G.E.S.
A235	—	2–25A	—	111	36	6·3	3·0	25	0·5	50	1200	Small UX4
A237	—	—	CV482	250	60	4·0	12	65	1·5	250	1000	G.E.S.
A291	—	—	—	170	87	5·0	20	25	3·5	700	200	B5F
→A296	—	—	—	250	156	6·3	32·5	25	6·5	1250	130	Flying Leads

IGNITRON—Mercury Pool Cathode

E.E.V. type	Overall length max. (mm)	Overall diameter max. (mm)	Peak forward voltage max. (kV)	Ambient temperature range (°C)	Peak positive igniter voltage max. (kV)	Peak negative igniter voltage max. (kV)	Peak current at 0·002 duty factor max. (A)	Peak current at 0·0006 duty factor max. (A)	Mean current max. (A)	Tube drop (V)
MPS1A	186	72	6	15 to 50 20 to 50	9·5 8·0	1·0	500	1000	1·0	16

→ Indicates a recent addition to the range.

GERMANIUM POWER RECTIFIERS—The ratings are per diode
Air cooled types for stack mounting

E.E.V. type	Overall length (mm)	Overall diameter (mm)	Mounting stud	Peak inverse voltage (V)		Maximum mean current (amps) at ambient temperature or max. inlet temperature of coolant			Cooling	Cooling fins (inches)
				Max. recurrent	Max. transient	35°C	45°C	55°C		
VA713A	32	18((	3/8" Whit.	160	320	13	8·5	4·25	Free air circulation	4×4×1/32
VA713B	32	18((	3/8" Whit.	140	280	13	8·5	4·25		
VA713C	32	18((	3/8" Whit.	120	240	13	8·5	4·25		
VA713D	32	18((	3/8" Whit.	100	200	13	8·5	4·25		
VA713E	32	18((	3/8" Whit.	80	160	13	8·5	4·25		
VA713F	32	18((	3/8" Whit.	60	120	13	8·5	4·25		
VA713G	32	18((	3/8" Whit.	40	80	13	8·5	4·25		
VA719A	32	18((	3/8" Whit.	160	320	20	13	6·5	Free air circulation	6×6×1/16
VA719B	32	18((	3/8" Whit.	140	280	20	13	6·5		
VA719C	32	18((	3/8" Whit.	120	240	20	13	6·5		
VA719D	32	18((	3/8" Whit.	100	200	20	13	6·5		
VA719E	32	18((	3/8" Whit.	80	160	20	13	6·5		
VA719F	32	18((	3/8" Whit.	60	120	20	13	6·5		
VA719G	32	18((	3/8" Whit.	40	80	20	13	6·5		

((Diode only.

We welcome enquiries for special valves not included in this catalogue

GERMANIUM RECTIFIER STACKS

Germanium power rectifiers can be supplied either as basic units with or without cooling fins or as complete stacks, finned and suitably connected for use in single or polyphase circuits.

VA713. SOME TYPICAL RECTIFIER STACKS—Resistive Load

Stack No.	Circuit	R.M.S. input voltage (Volts)	D.C. output voltage (Volts)	Max. d.c. output current (Amperes)			No. of VA713 diodes	Approx. overall dimensions (inches)
				35°C Ambient	45°C Ambient	55°C Ambient		
13A1–1–1	Single phase, half wave	113	50	13	8·5	4·25	1	$4\times5\times3$
13B1–1–1		98	43	13	8·5	4·25	1	
13C1–1–1		84	37	13	8·5	4·25	1	
13D1–1–1		70	31	13	8·5	4·25	1	
13E1–1–1		56	25	13	8·5	4·25	1	
13F1–1–1		42	18	13	8·5	4·25	1	
13G1–1–1		28	12	13	8·5	4·25	1	
13A3–1–1	Single phase, bridge	113	100	26	17	8·5	4	$4\times5\times4\frac{3}{4}$
13B3–1–1		98	86	26	17	8·5	4	
13C3–1–1		84	73	26	17	8·5	4	
13D3–1–1		70	61	26	17	8·5	4	
13E3–1–1		56	48	26	17	8·5	4	
13F3–1–1		42	36	26	17	8·5	4	
13G3–1–1		28	23	26	17	8·5	4	
		Phase *Line*						
13A5–1–1	Three phase, bridge	— 113	150	36	24	12	6	$4\times5\times6\frac{3}{8}$
13B5–1–1		— 98	130	36	24	12	6	
13C5–1–1		— 84	111	36	24	12	6	
13D5–1–1		— 70	92	36	24	12	6	
13E5–1–1		— 56	72	36	24	12	6	
13F5–1–1		— 42	53	36	24	12	6	
13G5–1–1		— 28	35	36	24	12	6	

Details of stacks covering higher voltages and currents are available on request.

VA719. SOME TYPICAL RECTIFIER STACKS—Resistive Load

Stack No.	Circuit	R.M.S. input voltage (Volts)	D.C. output voltage (Volts)	Max. d.c. output current (Amperes)			No. of VA719 diodes	Approx. overall dimensions (inches)
				35°C Ambient	45°C Ambient	55°C Ambient		
19A1–1–1	Single phase, half wave	113	50	20	13	6·5	1	$6\times7\frac{3}{8}\times3\frac{1}{4}$
19B1–1–1		98	43	20	13	6·5	1	
19C1–1–1		84	37	20	13	6·5	1	
19D1–1–1		70	31	20	13	6·5	1	
19E1–1–1		56	25	20	13	6·5	1	
19F1–1–1		42	18	20	13	6·5	1	
19G1–1–1		28	12	20	13	6·5	1	
19A2–1–1	Single phase, full wave centre-tap	56+56	50	40	26	13	2	$6\times7\frac{3}{8}\times3\frac{3}{8}$
19B2–1–1		49+49	43	40	26	13	2	
19C2–1–1		42+42	37	40	26	13	2	
19D2–1–1		35+35	31	40	26	13	2	
19E2–1–1		28+28	25	40	26	13	2	
19F2–1–1		21+21	18	40	26	13	2	
19G2–1–1		14+14	12	40	26	13	2	
		Phase *Line*						
19A4–1–1	Three phase, half wave	65·4 113	75	56	36	18	3	$6\times7\frac{3}{8}\times4\frac{3}{8}$
19B4–1–1		56·6 98	65	56	36	18	3	
19C4–1–1		48·5 84	56	56	36	18	3	
19D4–1–1		40·5 70	46	56	36	18	3	
19E4–1–1		32·4 56	36	56	36	18	3	
19F4–1–1		24·3 42	28	56	36	18	3	
19G4–1–1		16·2 28	17	56	36	18	3	

Details of stacks covering higher voltages and currents are available on request.

POWER TRIODES—Natural or Forced-air Cooled Thoriated Tungsten Filaments

E.E.V. type	Previously known as	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament		Frequency (Mc/s) §§§	Anode voltage max. (kV)	Anode dissipation max. (W)	Peak usable cathode current (A)	Amplification factor	Type of cooling	Base
					Voltage (V)	Current (A)							
3C24	B1109	CV789 CV2736	111	37	6·3	3·0	60/100	2·0	25	0·4	25	Natural	Small UX4
833A	—	CV635	225	117	10	10	30/75	3·0	300	2·2	35	Natural	Special
								4·0	400			Forced-air	

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

We welcome enquiries for special valves not included in this catalogue

POWER TRIODES—Forced-air, Water and Vapour Cooled

Thoriated Tungsten Filament indicated by Th.
Pure Tungsten Filament indicated by T.

E.E.V. type	Previously known as	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament			Frequency (Mc/s) §§§	Anode voltage max. (kV)	Anode dissipation max. (kW)	Peak usable cathode current (A)	Amplification factor	Type of cooling
					Type	Voltage (V)	Current (A)						
5736	—	—	188	91	Th	6·0	60	60/200	5·0	2·5	10	22	Forced-air
5762	BR191B	CV2383	187	119	Th	12·6	29	30/220	6·2	3	10	29	Forced-air
BR128B	—	—	381	302	Th	7·2	170	30/110	12	12·5	35	26	Forced-air
BR140	—	—	620	295	T	19	75	15/40	12	8	10	45	Forced-air
BR152B	—	CV28 CV1994†	470	187	T	16	22	15/80	10	0·8 1·1	2	40	Natural Forced-air
BR153	—	CV2159	626	264	T	19	100	20/40	15	12	12	45	Forced-air
BR155	—	—	458	258	T	17	130	30/110	10	7·5	14	50	Forced-air
BR161	—	CV2322	483	356	Th	9·0	175	30/50	12	15	45	45	Forced-air
BR175	—	CV904	508	270	T	22	60	1·6/20	12·5	4	8·5	50	Forced-air
BR179	—	CV2323	354	258	Th	6·6	90	50/110	8·5	8	16	28	Forced-air
BR189	—	CV5218	547	356	Th	9·0	240	5/50	15	27	70	34	Forced-air
BR194	—	—	650	280	Th	13	240	5/30	15	40	100	34	Forced-air
BR195	—	—	219	130	Th	6·0	67	30/220	6	4	10	25	Forced-air
BR1106	—	—	282	163	Th	5·0	175	30/220	6·6	10	20	29	Forced-air

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

† BR152B (CV28) without radiators.

POWER TRIODES—*continued*

E.E.V. type	Previously known as	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament			Frequency (Mc/s) §§§	Anode voltage max. (kV)	Anode dissipation max. (kW)	Peak usable cathode current (A)	Amplification factor	Type of cooling
					Type	Voltage (V)	Current (A)						
BR1122	—	—	352	258	Th	6·0	115	5/110	12	10	16	37	Forced-air
BR1129	—	—	138	64	Th	5·0	43·5	175	3·0	2·0	7·5	20	Forced-air
BR1131	—	—	477	167	Th	8·5	22	15/80	10	3·5	5	40	Forced-air
BR1132	—	—	508	270	Th	6·0‡	36	1·6/20	12·5	4	10	50	Forced-air
BR1138	—	—	470	187	Th	8·5	22	15/80	10	1·0	5	40	Natural
										1·25			Forced-air
BW140	—	CV2871	610	140	T	19	75	15/40	12	12	10	45	Water
BW153	—	CV2872	615	157	T	19	100	20/40	15	18	12	45	Water
BW161	—	—	476	235	Th	9·0	175	30/50	12	30	45	45	Water
BW165	—	—	388	165	Th	7·2	170	30/110	12	24	35	26	Water
BW173	—	CV1600	432	91	T	19	50	20	10	10	5·4	40	Water
BW179	—	—	343	180	Th	6·6	90	50/110	8·5	10	16	25	Water
BW189	—	—	525	280	Th	9·0	240	5/50	15	35	70	34	Water
BW194	—	—	626	280	Th	13	240	5/30	15	50	100	34	Water
BW1139	—	—	615	157	Th	11·5	70	20/40	15	18	12	45	Water
BY189	—	—	535	280	Th	9·0	240	5/50	15	35	70	34	Vapour●

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

‡ With 2-phase supply. Otherwise 12·0V.

● Evaporating Unit supplied by E.E.V. Co. Ltd.

VALVES FOR R.F. HEATING—Forced-air, Water and Vapour Cooled Thoriated Tungsten Filaments

E.E.V. type	Previously known as	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament		Frequency (Mc/s) §§§	Anode voltage max. (kV)	Anode dissipation max. (kW)	Peak usable cathode current (A)	Amplification factor	Type of cooling
					Voltage (V)	Current (A)						
BR1102	—	—	483	300	8·2	230	50	12	20	45	42	Forced-air
BR1103	—	—	356	267	6·0	120	100	8·5	10	16	25	Forced-air
BR1115	—	—	200	119	15	39	30/110	6	3	14	30	Forced-air
BR1121	—	—	394	267	6·6	230	50	10	15	45	38	Forced-air
BR1124	—	—	356	267	6·0	115	100	8·5	10	16	37	Forced-air
BR1126	—	—	201	166	15	39	30/110	6	3	14	30	Forced-air
BW1102	—	—	473	152	8·2	230	50	12	20	45	42	Water
BW1103	—	—	343	116	6·0	120	100	8·5	10	16	25	Water
BW1121	—	—	381	153	6·6	230	50	10	15	45	38	Water
BW1124	—	—	343	116	6·0	115	100	8·5	10	16	37	Water
BW1126	—	—	189	117	15	39	30/110	6	3	14	30	Water
→BY194	—	—	640	280	13	240	5/30	15	50	100	34	Vapour ■
BY1102	—	—	480	162	8·2	230	50	12	25	45	42	Vapour ■
BY1121	—	—	388	162	6·6	230	50	10	18	45	38	Vapour ■
→BY1122	—	—	350	181	6·0	115	5/110	12	10	16	37	Vapour ■

→ Indicates a recent addition to the range.

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

■ Evaporating-Condenser Unit supplied by E.E.V. Co. Ltd.

We welcome enquiries for special valves not included in this catalogue

POWER TETRODES—Natural Cooled.

Th. indicates Thoriated Tungsten Filament
ih. indicates Indirectly Heated Cathode

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament or heater			Frequency (Mc/s) §§§	Anode voltage max. (V)	Anode dissipation max. (W)	Screen voltage max. (V)	Amplification factor grid-screen	Base
						Type	Voltage (V)	Current (A)						
4D32	C1123	4D32	CV3543	146	59	ih	6·3	3·75	60	750	50	350	10	B7A (E7-2)
813	C143	813	CV26	190	65	Th	10	5·0	30/120	2000	100	400	8·5	B7D (A7-17)
829B	C144	829B	CV2666	110	61	ih	6·3 per unit	1·125	200/250	750	2×20	225	9	B7A (E7-2)
832A	C180	832A	CV788	84	59	ih	6·3 per unit	0·8	200/250	750	2×7·5	250	6·5	B7A (E7-2)
C178A /5894	C178A	5894	CV2797	104	46	ih	6·3 per unit	0·9	250/500	600	2×20	300	8·0	B7A (E7-2)
C1108	—	4-125A*	CV2130	130	62	Th	5·0	6·5	120/200	3000	125	400	6·2	B5F
C1112	—	4-250A*	CV2131	151	87	Th	5·0	14·1	75/120	4000	250	600	5·1	B5F
C1134	—	6252*	CV2799	86	46	ih	6·3 per unit	0·65	150/600	600	2×10	300	8·0	B7A (E7-2)

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

* Near equivalents.

We welcome enquiries for special valves not included in this catalogue

POWER TETRODES—Forced-air Cooled

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament or heater			Frequency (Mc/s)§§§	Anode voltage max. (V)	Anode dissipation max. (W)	Screen voltage max. (V)	Amplification factor grid-screen	Base
						Type	Voltage (V)	Current (A)						
6181	CR1101	6181	—	185	129	ih	120	1·6	900	2000	2000	500	7·0	—
CR176	—	—	CV2324	322	184	Th	5·0	64	30	7500	3500	1500	4·4	—
CR192	—	6166*	—	296	163	Th	5·0	175	60/220† 216‡	6900 6000	10 000	2000	10	—
CR1100	—	—	CV5219	169	97	Th	6·3	32·5	110/220	5000	3000	1200	8·5	—

POWER TETRODE—Water Cooled

CW1100	—	—	—	172	70	Th	6·3	32·5	110/220	5000	3000	1200	8·5	—

PULSE AMPLIFIER TETRODES

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Filament or heater			Peak anode current max. (A)	Anode voltage max. (V) D.C.	Anode dissipation max. (W)	Screen voltage max. (V)	Base
						Type	Voltage (V)	Current (A)					
C1111	—	715C	CV427△ CV398△	150	65	ih	26	2·15	15	17 500	60	1500	B4A
C1133	4PR60A/ C1133	4PR60A△	CV2752△ CV2416	150	65	ih	26	2·15	18	20 000	60	1500	B4A

§§§ *Frequency*—The lower value indicates the maximum operating frequency at full rating. Operation at the higher value is possible with suitable derating.

* Near equivalents.

† Class C unmodulated. ‡ Television service. △ Electrical equivalents.

We welcome enquiries for special valves not included in this catalogue

VOLTAGE STABILISERS

E.E.V. type	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Striking voltage (V) ○	Striking voltage (V) ●	Operating voltage approx. (V)	Ignition electrode voltage (V)	Ignition electrode series resistance (megohms)	Tube current max. (mA)	Tube current min. (mA)	Regulation max. (V)	Base
OA2	QS1207	OA2	CV1832	66·5	19	185	225	150	—	—	30	5	6·0	B7G
OA2WA◊	**QS1210**	**OA2WA**	**CV4020**	**66·5**	**19**	**165**	**225**	**150**	—	—	**30**	**5**	**5·0**	**B7G**
OA3	QS1205	OA3	CV3798	105	39·5	105	160	75	—	—	40	5	6·5	Int. Octal
OB2	QS1208	OB2	CV1833	66·5	19	133	210	108	—	—	30	5	3·5	B7G
OB2WA◊	**QS1211**	**OB2WA**	**CV4028**	**66·5**	**19**	**133**	**210**	**108**	—	—	**30**	**5**	**3·0**	**B7G**
OC2	—	OC2	—	66·5	19	115	145	75	—	—	30	5	4·5	B7G
OC3	QS1206	OC3	CV686	105	39·5	133	210	108	—	—	40	5	4·0	Int. Octal
OD3	QS150/40	OD3	CV216	105	39·5	180	225	150	—	—	40	5	5·5	Int. Octal
QS75/20	—	—	CV284 (CV5083)	54	19	110	160	75 (70)	—	—	20	2	6·0	B7G
QS75/60	—	—	CV434	80	30	117	—	75	—	—	60	5	5·0	B8G
QS92/10	—	—	CV188 (CV1070)	85	33	140	—	92 (100)	—	—	10	1	5·0	British 4-pin

QS95/10	—	—	CV286	54	19	110	—	95	150	0·25	10	2	5·0	B7G
QS108/45	—	—	CV422	80	30	120	—	108	150	0·10	45	5	5·0	B8G
QS150/15	—	—	CV287	54	19	170	—	150	240	0·25	15	2	5·0	B7G
QS150/45	—	—	CV395	80	30	170	—	150	200	0·10	45	5	5·0	B8G
QS1202(	—	—	**CV4052**	**47·6**	**19**	**133**	**210**	**108**	—	—	**15**	**2**	**3·0**	**B7G/F**
QS1203(	—	—	**CV4053**	**47·6**	**19**	**180**	**225**	**150**	—	—	**15**	**2**	**4·5**	**B7G/F**
QS1215	—	—	—	54	19	115	115	90	—	—	40	1	10	B7G

VOLTAGE REFERENCE TUBES

QS1200	—	—	CV2225	54	19	180	225	150	—	—	15	5	5·0	B7G
QS1209/ 5651	5651/ QS1209	5651	CV449	54	19	115	160	85	—	—	10	1	4·0	B7G
QS1212(	—	**5651WA***	**CV4048**	**54**	**19**	**115**	**115**	**85**	—	—	**10**	**1**	**4·0**	**B7G**
QS1213(	—	—	**CV4054**	**47·6**	**19**	**115**	**115**	**85**	—	—	**10**	**1**	**4·0**	**B7G/F**

(This is a rugged and reliable type.
B7G/F denotes flying leads. The overall length excludes leads.

○ In normal lighting.
● In total darkness.
* Near equivalents.

STABILOVOLTS—(Four Gap)

E.E.V. type	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Gap	Striking voltage max. (V)	Operating voltage approx. (V)	Anode current max. (mA)	Cathode current min. (mA)	Regulation per gap over full current range (average) (V)	Base
STV280/40	CV1068	145	50	A4 to K	420	280	35	5	4·0	B5
				A3 to K	320	210	40			
				A2 to K	210	140	60			
				A1 to K	110	70	60			
STV280/80	CV1069	150	63	A4 to K	420	280	70	10	4·0	B5
				A3 to K	320	210	70			
				A2 to K	210	140	90			
				A1 to K	110	70	100			

SPARK GAP—Gas Filled

E.E.V. type	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Striking voltage max. (V)	Pulse operation			D.C. operation			
					Gap voltage max. (V)	Peak current max. (A)	Mean current max. (mA)	Tube current max. (mA)	Tube current min. (mA)	Operating voltage (V)	Regulation max. (V)
GX402	CV2902	134	64	750	400	160	160	500	50	122 approx.	5·0

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TRIGGER TUBES

E.E.V. type	American equivalent	Overall length max. (mm)	Overall diameter max. (mm)	Peak cathode current max. (mA)	Mean cathode current max. (mA)	Anode breakdown voltage max. (V)	Operating voltage max. (V)	Trigger breakdown voltage min. (V)	Base
→5823	5823	54	19	100	25	200	85	105	B7G
→QT1250	—	54	19	100	25	210	68	80	B7G
→QT1251	—	47·6	19	100	25	210	68	80	B7G/F

GLOW MODULATOR

E.E.V. type	American equivalent	Overall length max. (mm)	Overall diameter max. (mm)	Peak cathode current max. (mA)	Mean cathode current max. (mA)	Mean cathode current min. (mA)	Breakdown voltage max. (V)	Operating voltage† max. (V)	Light output† (c.p.)	Base
→1B59	1B59	77·8	32	75	35	5	225	150	0·13	Int. Octal

† At 30 mA d.c.

THYRATRONS—Rare Gas Filled

E.E.V. type	Description	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Heater Voltage (V)	Heater Current (A)	Peak inverse voltage max. (V)	Peak forward voltage max. (V)	Peak anode current max. (A)	Mean anode current max. (A)	Tube drop approx. (V)	Base
6D4	Triode	AFX212	6D4	CV1949	54	19	6·3	0·25	350	350	0·11	0·025	18	B7G
AFX203	Triode	—	C1A*	CV2868	176	57	2·5⟫	5·00	340	170	7·7	0·64	11	Medium UX4
AFX234	Triode	—	—	CV5023	54	19	6·3	0·49	350	350	1·20	0·045	16	B7G

* Near equivalents.

→ Indicates a recent addition to the range.

⟫ Directly heated filament.

THYRATRONS—Hydrogen Filled

E.E.V. type	Description	Previously known as	American equivalent	Service type	Overall length max. (mm)	Overall diameter max. (mm)	Heater		Peak forward voltage max. (kV)	Peak anode current max. (A)	Mean anode current max. (A)	Tube drop approx. (V)	Heating factor‡‡	Base
							Voltage (V)	Current (A)						
4C35	Triode	FX225	4C35	CV1787	175	65	6·3	6·1	8	90	0·1	100	$2{\cdot}0 \times 10^9$	B4D
5C22¶	Triode	FX219	5C22	CV2520 CV3540	222	65	6·3	10·6	16	325	0·2	100	$3{\cdot}2 \times 10^9$	B4D
7384	Tetrode	CX1119	7384	CV5268	318	84	6·3	21·5	25	1000	1·25	100	$6{\cdot}25 \times 10^9$	B5F metal shell
CX1120	Tetrode	—	—	—	210	65	6·3	10·6	16	325	0·2	100	$3{\cdot}2 \times 10^9$	B4D
FX215	Triode	—	—	CV2203	286	102	2·5	27·5	16	200	0·2	100	$2{\cdot}2 \times 10^9$	Special Flexible leads
FX227	Triode	—	3C45* 6130*	CV372 CV3629*	127	39	6·3	2·3	3	35	0·045	100	$0{\cdot}3 \times 10^9$	Medium UX4
FX229	Triode	—	5949*	CV3521	318	84	6·3	18·5	25	500	0·5	100	$6{\cdot}25 \times 10^9$	B5F metal shell
FX231	Triode	—	KU25	CV2993	222	65	6·3	10·6	12	325	0·2	100	$3{\cdot}8 \times 10^9$	B4D
FX290《	Triode	—	—	CV6022	222	65	6·3	10·6	16	325	0·2	100	$3{\cdot}2 \times 10^9$	B4D

‡‡ Product of peak forward voltage, peak current pulse and repetition frequency.
《 This is a rugged version of 5C22.
* Near equivalents.
¶ Qualification approval for JAN marking has been obtained.

We welcome enquiries for special valves not included in this catalogue

KLYSTRONS

AMPLIFIER KLYSTRONS—Pulse Operation

E.E.V. type	Service type	Mechanical tuning range (Mc/s)	Beam voltage (peak) (kV)	Beam current (Peak) (A)	Beam current (Mean) (mA)	Body current peak (A)	Focus electrode voltage (kV)	Magnetic field (Gauss)	Gain (db)	Output power (peak) (kW)	Pulse length (μsec)	Pulse repetition rate (p.p.s.)	Heater Voltage (V)	Heater Current (A)
K329†	CV2496	960–1215	10	2·4	140	—	0	—	17	5	7·0■	3600▲	5·0	40
▼K347†	—	580 – 615	75	20	—	10	0	350	33	600	6·0	400	7·0	35
→K352‡	—	2998 ± 5 Fixed	190	88	154	12·5	—	1100	32	6000	2·5	600	4·3	83

→

AMPLIFIER KLYSTRON—C.W. Operation

E.E.V. type	American equivalent	Mechanical tuning range (Mc/s)	Beam voltage (kV)	Beam current (A)	Collector current (A)	Body current (mA)	Focus electrode voltage (V)	Gain (db)	Output power (kW)	Heater Voltage (V)	Heater Current (A)
▼4KM50,000LA‡	4KM50,000LA	400–610	16	1·59	1·5	90	−200	57ø 25∞	10	7·5	40

→

ELECTROMAGNET MOUNT for use with klystron K352

E.E.V. type	Resistance (Ω) Main coil Hot	Main coil Cold	Bucking coil Hot	Bucking coil Cold	Supply voltage max. (V)	Supply current max. (A)	Typical operation: Main coil current (A)	Bucking coil current (A)	Field (Gauss)	Water flow (g.p.m.)	Water pressure (p.s.i.)	Inlet temp. (°C)	Outlet temp. (°C)
K4001	2	1·45	78	55	80	40	30	0·6	1100	1·6	25	15	30

▼ The operation of this valve is guaranteed only when used with external cavities, electromagnet frame, and focusing coils supplied by E.E.V. Co. Ltd.

→ Indicates a recent addition to the range.

■ This applies to pulses in pairs.

† Forced-air cooled.

ø Narrow band.

▲ Pulse pairs per second.

‡ Water and forced-air cooled.

∞ Broad band.

We welcome enquiries for special valves not included in this catalogue

KLYSTRONS—*continued*—REFLEX OSCILLATORS

E.E.V. type	Service type	American equivalent	Mechanical tuning range (Mc/s)	Electronic tuning range (Mc/s)	Resonator voltage (V)	Resonator current (mA)	Reflector voltage maximum range (V)	Output power (mW)	Tuner	Base	Heater	
											Voltage (V)	Current (A)
K300	—	—	9320–9500	30	350	35	−90 to −150	30	Micr.	Int. Octal	6·3	0·6
K301	CV2161	—	2500–3500	15	350	35	−120 to −400	30	Separate resonator	Solder tags	6·3	0·6
K302	CV2164	—	9320–9500	30	350	35	−80 to −165	30	Micr.	Int. Octal	6·3	0·6
K305	CV2263	—	9250–9500	35	350	35	−80 to −170	25	Ext. pin	Int. Octal	6·3	0·6
K308	CV2282	—	8800–8900	40	350	35	−140 to −220	40	Micr.	Int. Octal	6·3	0·6
K311	—	—	8500–9500	30	350	35	−165 to −365	45	Knob or shaft	Int. Octal	6·3	0·6
K312	CV2273	—	9430–9650	30	350	35	−110 to −180	30	Micr.	Int. Octal	6·3	0·6
K313	—	—	9645–9775	30	350	35	−80 to −185	25	Ext. pin	Int. Octal	6·3	0·6
K315	—	—	9105–9205	30	350	35	−150 to −270	20	Micr.	Int. Octal	6·3	0·6
K317	—	—	8200–8300	30	350	35	−200 to −320	20	Micr.	Int. Octal	6·3	0·6
K321	—	—	9430–9650	30	350	35	−110 to −180	25	Ext. pin	Int. Octal	6·3	0·6
K323	—	—	9645–9775	30	350	35	−80 to −185	25	Micr.	Int. Octal	6·3	0·6
K324	CV2304	—	9000–10 000	30	350	35	−250 to −400	45	Knob or shaft	Int. Octal	6·3	0·6
K328	—	—	9555–9685	30	350	35	−110 to −190	25	Micr.	Int. Octal	6·3	0·6
K335	CV2343	—	9555–9685	30	350	35	−110 to −180	25	Micr.	Int. Octal	6·3	0·6
K337(	**CV4515**	—	**9000–10 000**	**24**	**350**	**35**	**−250 to −400**	**45**	**Shaft**	**Solder tags**	**6·3**	**0·6**

K340	—	—	9300–9500	40	300	25	−90 to −175	35	Single screw	Mod. Octal	6·3	0·6
K342☾	**CV6003**	—	**8500–9000**	**35**	**350**	**35**	**−150 to −275**	**45**	**Shaft**	**Solder tags**	**6·3**	**0·6**
K343	—	—	12 000–14 500	80 50	350 350	30 30	−50 to −250 −100 to −350	40 50	Single screw	Flying leads	6·3	0·6
K345∞ series	—	VA220 series	5925–7725	30	750	72	−250 to −400	1·0W	Single screw	Int. Octal Wafer	6·3	0·8
K346	—	—	14 500–17 000	120 75	350 350	30 30	−50 to −250 −100 to −350	35 45	Single screw	Flying leads	6·3	0·6
K351☾	**CV2494**	**VA201B**	**8500–9600**	**35** **42**	**300** **250**	**40** **30**	**−80 to −185** **−40 to −120**	**65** **30**	**Single screw**	**Flying leads**	**6·3**	**1·2**
K357	—	—	10 660–10 720	30	250	15	−80 to −130	12	Single screw	Int. Octal	6·3	0·6
→K359☾	—	—	**8100–8750**	**55**	**350**	**45**	**−90 to −185**	**90**	**Single screw**	**Flying leads**	**6·3**	**1·2**
→K361	—	—	10 700–10 725	20	300	25	−150 to −250	27	Single screw	Flying leads	6·3	0·6

TWO RESONATOR OSCILLATOR—Forced-air cooled

E.E.V. type	Mechanical tuning range (Mc/s)	Electronic tuning range (Mc/s)	Beam voltage (V)	Beam current (mA)	Modulation sensitivity kc/s/V	Temperature coefficient (kc/s/°C)	Residual F.M. noise (c/s r.m.s.)	Output power (W)	Tuner	Base	Heater	
											Voltage (V)	Current (A)
K350	8500–10 000	12	700	70	200	35	<170	1·2	Locknuts	Flying leads	6·3	1·7

→ Indicates a recent addition to the range.
☾ Rugged.

All reflex oscillators are natural cooled except where otherwise indicated.
∞ Forced-air cooled.

We welcome enquiries for special valves not included in this catalogue

MAGNETRONS

E.E.V. type	Previously known as	American equivalent	Service type	Frequency range (Mc/s)	Class (See end of table)	Heater (Starting)		Operational conditions				Typical performance	
						Voltage (V)	Current (A)	Magnetic field (Gauss)	Peak anode current (A)	Pulse length (μ sec)	Pulse repetition rate (p.p.s.)	Peak anode voltage (kV)	Peak output power (kW)
2J30	M510	2J30	—	2860–2900	FSAC	6·3	1·5	1900	30	1·0	1000	20	300
2J31	M510	2J31	CV1807	2820–2860									
2J32	M510	2J32	CV1808	2780–2820									
2J33	M510	2J33	CV1809	2740–2780									
2J34	M510	2J34	CV1810	2700–2740									
2J42¶	M526	2J42	CV3676	9345–9405	FPANG	6·3	0·5	—	4·5	1·0	2000	5·5	8
2J55	—	2J55	—	9345–9405	FPAG	6·3	1·0	—	12	1·0	1000	12	45
2J56	—	2J56	CV2852 CV5235*	9215–9275	FPAG	6·3	1·0	—	12	1·0	1000	12	45
4J31	M518A	4J31	CV1914	2860–2900	FSAC	16	3·1	2700	70	1·0	500	28	1000
4J32	M518A	4J32	—	2820–2860									
4J33¶	M518A	4J33	CV1916	2780–2820									
4J34	M518A	4J34	CV1897	2740–2780									
	M518A	—	CV2744	2740–2765									
4J35	M518A	4J35	CV1898	2700–2740									
4J43	M536	4J43	—	2992–3019	FSAC	16	3·1	2700	70	1·0	500	28	900
4J44	M536	4J44	—	2965–2992									
4J50A¶	M502	4J50A	CV2284	9345–9405	FPAG	13·75	3·25	—	25	1·0	1000	22	225
4J52A	M551	4J52A	CV5018	9350–9400	FPAG	12·6	2·2	—	15	1·0	1000	15	80

4J53¶	M518A	4J53	CV513	2793–2813	FSAC	16	3·1	2700	70	1·0	500	28	1000
4J78	M511	4J78	CV3953	9003–9168	FPAG	13·75	3·5	—	27·5	1·0	1000	21·5	250
5586	M542	5586	CV3611	2700–2900	TSAC	16	3·1	2700	70	1·0	500	30	1000
5657	—	5657	CV3958	2900–3100	TSAC	16	3·1	2700	70	1·0	500	30	1000
6027	—	6027	—	9345–9405	FPAG	6·3	0·5	—	7	1·0	1000	6·9	20
7182	M543	7182	—	2750–2860	FEWAX	12	15	1400	157	5·0	300	35	2500
M501	— — — —	— — — —	CV1479 CV1480 CV1481 CV1482	3030–3060 3005–3030 2980–3005 2940–2980	FSAC	5·0	2·6	2300	35	2·0	500	27	500
M501A	— — — —	— — — —	CV3659 CV3660 CV3661 CV3662	3030–3060 3005–3030 2980–3005 2940–2980	FSAC	5·0	2·6	2300	35	2·0	500	27	500
M501B	— — — —	— — — —	— — — —	3030–3060 3005–3030 2980–3005 2940–2980	FSAC	5·0	2·6	2300	35	2·0	500	27	500
M502A	—	—	CV2373	9325–9425	FPAG	12·6	2·25	—	22·5	1·0	400	21	180
M503A	—	—	—	9345–9405	FPANG	6·3	0·5	—	4·5	0·1	1000	5·5	8
M504	—	—	—	9325–9425	FEAG	5·0	40	7000	50	0·6	1000	35	750
M505	—	—	CV1747	9360–9460	FSAG	3·0	3·5	3250	12	1·0	1000	11·1	45

¶ Qualification approval for JAN marking has been obtained.

* Near equivalent.

We welcome enquiries for special valves not included in this catalogue

MAGNETRONS—*continued*

E.E.V. type	Previously known as	American equivalent	Service type	Frequency range (Mc/s)	Class (See end of table)	Heater (Starting)		Operational conditions				Typical performance	
						Voltage (V)	Current (A)	Magnetic field (Gauss)	Peak anode current (A)	Pulse length (μ sec)	Pulse repetition rate (p.p.s.)	Peak anode voltage (kV)	Peak output power (kW)
M506A	—	—	CV3982	9360–9460	FSAG	3·0	3·5	3250	12	1·0	1000	11·2	50
M507	— — — —	— — — —	CV1475 CV1476 CV1477 CV1478	3340–3380 3305–3340 3270–3305 3230–3270	FSAC	5·0	2·6	2100	40	0·5	500	27	425
M508	—	2J42§	CV370	9210–9270	FPANG	6·3	0·5	—	4·5	1·0	1000	5·5	8
M509	—	2J42§	CV3976	8770–8830	FPANG	6·3	0·5	—	4·5	2·0	500	5·5	8
M513A	—	—	CV3528	9345–9405	FPANG	6·3	0·5	—	7·5	1·0	500	7·5	18
M519	— — — —	— — — —	CV1483 CV1484 CV1485 CV1486	3570–3614 3530–3570 3490–3530 3450–3490	FSAC	5·0	2·6	2300	40	0·5	500	27	425
M521	—	—	CV2376	9600–9700	FSAG	3·0	3·5	3250	12	1·0	1000	11·1	45
M523	—	4J50A§	CV2412	9580–9705	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M525	— — — — — — —	— — — — — — —	CV2362 CV2363 CV2364 CV2365 CV2366 CV2367 CV2368	2750–2765 2765–2780 2780–2795 2795–2810 2810–2825 2825–2840 2840–2855	FSWG	8·5	9·0	1800	70	1·0	1000	36	1150

M528	— — — — — —	— — — — — —	CV1495 CV1496 CV1497 CV1498 CV1499 CV1500	3000–3020 3020–3040 3040–3060 3060–3080 3080–3100 3100–3120	FSAC	6·0	1·25	2050	22·5	0·5	2000	22·5	200
M529	—	4J50A§	CV2426	8830–8995	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M535	—	—	—	9500–9600	FPNG	6·3	0·5	—	4·5	0·1	1000	5·5	7·2
M537	—	2J42§	CV2281	8770–8830	FPAG	6·3	0·5	—	4·5	1·0	1000	5·5	8
M538A	—	—	CV2473	9210–9270	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M539	—	4J50A§	CV2425	8665–8830	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M546	—	4J50A§	—	9700–9850	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M547	—	4J50A§	—	9850–10 000	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M548	—	—	CV5031	9003–9168	FSAG	3·0	3·5	3800	12	1·0	1000	13·5	50
M549	—	4J50A§	CV2424	8500–8665	FPAG	13·75	3·25	—	25	1·0	1000	22	225
M554	—	—	—	1295–1365	FSWGG	20	13·5	925	150	5·0	250	39	2600
M555	—	—	—	14 000–16 500	FPAG	12·6	2·25	—	15	1·0	1000	16·0	65
M558	—	—	—	9345–9405	FSANY	6·3	0·5	—	4·5	0·1	1000	5·5	8
→M559	—	—	—	9345–9405	FPAG	6·3	0·5	—	7·0	1·0	1000	7·2	20
M561	—	—	—	3040–3060	FSANC	10·5 6·3†	1·1 1·5	1800	15	2·0	500	15	100

§ Frequency variant of.

† Alternative heater ratings.

→ Indicates a recent addition to the range.

MAGNETRONS—*continued*

E.E.V. type	Previously known as	American equivalent	Service type	Frequency range (Mc/s)	Class (See end of table)	Heater (Starting)		Operational conditions				Typical performance	
						Voltage (V)	Current (A)	Magnetic field (Gauss)	Peak anode current (A)	Pulse length (μ sec)	Pulse repetition rate (p.p.s.)	Peak anode voltage (kV)	Peak output power (kW)
→M565	—	—	—	1215–1365	FEWAZ	48	14	800	240	10	250	48	5000
→M566	—	—	—	2750–2860	FEWAZ	12	15	1580	145	5·0	300	38·5	2500
M569	—	—	—	2850–2960	FEWAZ	12	15	1580	140	5·0	300	40	2500
M570	—	—	—	2950–3060	FEWAZ	12	15	1580	140	5·0	300	40	2500
M573	—	—	—	2850–2960	FEWAX	12	15	1520	144	5·0	300	38	2500
M574	—	—	—	2950–3060	FEWAX	12	15	1580	132	5·0	300	41	2500

CLASS

Frequency and Operation
F—Fixed Frequency, pulsed.
T—Tunable Frequency, pulsed.

Magnetic Field
E—Electromagnet.
P—Packaged integral magnet.
S—Separate magnet (not supplied).

Cooling
A—Forced-air.
AN—Forced-air or Natural.
N—Natural.
W—Water.
WA—Water and Forced-air.

Output
C—Coaxial.
G—Waveguide.
GG—The waveguide output is not sold with this valve.
X—Requires electromagnet with coaxial-to-waveguide launching section.
Y—Requires permanent magnet and coaxial-to-waveguide launching section.
Z—Requires electromagnet with waveguide launching section.

ELECTROMAGNET AND LAUNCHING SECTION

E.E.V. type	Description
→M4011	Water-cooled electromagnet and launching section for use with magnetrons M566, M569 and M570. Approximate power requirements 28·5A, 50V.

→ Indicates a recent addition to the range.

BACKWARD WAVE OSCILLATORS

With Packaged Magnetic Focusing and Coaxial type 'N' output connector

E.E.V. type	Service type	Heater (V)	Heater (A)	Electronic tuning range (Mc/s)	Typical output power (mW)≈	Delay line voltage range (V)	Delay line current max. (mA)	Anode voltage range (V)	Anode current max. (mA)	Control grid cut-off voltage max. (V)	Typical operation: Anode voltage (V)	Typical operation: Delay line current (mA)	Typical operation: Grid voltage (V)	Base
N1010† N1010S‡	CV2393 CV6024	6·3	2·3	7000–11 500	30–150	300–1500	40	100–200	10	−100♀	150	22–33	0	JEDEC A7–13 (USM7)
N1034† N1034S‡	CV2381 CV6023	6·3	2·4	2400–4500	70–800	150–1170	50	100–200	20	−100♀	170	35–45	0	B7D

≈ Variation of typical output power over the band.

† Permanent magnet.

♀ Oscillations are cut off at this voltage.

‡ Solenoid.

STORAGE TUBES

E.E.V. type	Description	Typical brightness	Deflection	Useful screen dia.	Bases
E702	Direct view storage tube recommended for radar applications	2200 ft.-lamberts	Electrostatic	3·8 inches	One small button thirty fivar JEDEC 31–36
E702A	Direct view storage tube recommended for oscilloscope applications	900 ft.-lamberts	Electrostatic	3·8 inches	One small button thirty fivar JEDEC 31–36

TRAVELLING WAVE TUBES—Indirectly Heated Oxide Coated Cathodes

E.E.V. type	Description	Frequency range (Mc/s)	Typical conditions at centre frequency							R.F. Connections	R.F. Connectors Type	Base
			Output power	Noise factor (db)	Gain (db)	Helix voltage (V)	Collector voltage (V)	Collector current (mA)	Focusing field (Gauss)			
6861ø	Low noise tube	2700 to 3500	1 mW	6·5	25	375	400	0·15	525	Coaxial Straight	N Plug	Intern. Octal
N1001	Power tube	1700 to 2300	15 W	—	25	2630	2800	43	450	Waveguide	—	B4D
N1002	Low noise tube	1700 to 2300	2·5 mW	9	23	565	700	0·2	450 & 150	Waveguide	—	Intern. Octal
N1004	Power tube	3800 to 4200	4 W	—	24	2350	2350	20	550	Waveguide	—	B4D
N1005Mø‡	Low noise tube	3600 to 4200	1·5 mW	9	20	380	700	0·2	350	Coaxial Straight	BNC Jack	Intern. Octal
N1013	Medium power tube	1700 to 2300	5 mW 200 mW	20	33 30	650 650	750 750	4·0 4·0	400 400	Waveguide	—	Intern. Octal
N1016Mø‡	Low noise tube	4100 to 7000	1 mW	10	30	600	725	0·3	520	Coaxial Straight	C Jack	Intern. Octal
N1017Mø	Low noise tube	1200 to 1400	2 mW	6·5	26	260	450	0·15	450 & 100	Coaxial Straight	C Jack	Intern. Octal
N1018Mø‡	Medium power tube	3600 to 4200	5 mW 100 mW	21	33 25	600 600	750 750	2·0 2·0	400 400	Coaxial Straight	BNC Jack	Intern. Octal
N1024Mø	Low noise tube	3600 to 4200	1·5 mW	9	20	380	700	0·2	350	Coaxial Bent	BNC Jack	Intern. Octal
N1025Mø	Medium power tube	3600 to 4200	5 mW 100 mW	21	33 25	600 600	750 750	2·0 2·0	400 400	Coaxial Bent	BNC Jack	Intern. Octal
N1029ø‡	Power tube	5850 to 7200	5 W	—	43	2500	1500	35	600	Waveguide	—	Flying Leads

N1031 ø	Low noise tube	3800 to 4200	2·3 mW	8·5	25	500	700	0·25	550	Waveguide	—	Intern. Octal
N1032 ø	Medium power tube	3800 to 4200	300 mW	19	38	1450	1750	3·5	350	Waveguide	—	Intern. Octal
N1033 ø	Power tube	3800 to 4800	7 W	28	37	2260	1400	24	550	Waveguide	—	Giant 7-pin
→N1039 ø‡	Power tube	5850 to 7200	5 W	—	43	2500	1500	35	600	Waveguide	—	Giant 7-pin

ø Aluminium foil solenoid. ‡ Permanent magnet. → Indicates a recent addition to the range.

ALUMINIUM FOIL SOLENOIDS for use with Travelling Wave Tubes

E.E.V. type	Field strength		Ambient temperature or inlet temperature of forced-air max. (°C.)	For use with tube type	Typical operation					
	Gun field (Gauss/A) (approx.)	Main field (Gauss/A) (approx.)			Gun field (Gauss)	Main field (Gauss)	D.C. current		D.C. voltage (approx.)	
							Gun (A)	Main (A)	Gun (V)	Main (V)
N4001	—	60	40	N1005M, N1024M	—	350	—	5·8	—	8·7
			35	N1018M, N1025M	—	400	—	6·7	—	10
			55	N1016M	—	520	—	8·7	—	13·3
N4003	185	13	40	N1017M	450	100	2·4	7·2	17	2·0
N4004	—	60	40	6861	—	525	—	9·0	—	17·5

TELEVISION CAMERA TUBES

3-INCH IMAGE ORTHICONS

E.E.V. type	Alternatively known as	Description
5820	P816	General purpose tube which gives an acceptable picture at very low light levels. Recommended for outdoor use with poor illumination; also suitable for studio use.
6474	P817	Developed for use in colour cameras employing three image orthicons for simultaneous colour pick-up, and high quality monochrome transmissions. While requiring a slightly higher light input than the 5820 or 7293, its sensitivity is adequate for outside broadcasts or in the studio.
6849§		Intended for very low light level industrial applications. Not recommended for broadcast use.
7293	P807	Interchangeable with 5820 but differing slightly in construction and operation. An additional electrode improves the field conditions in front of the target, so reducing distortion of the scanning beam.
7294	P809	Interchangeable with 6474 but differing slightly in construction and operation. An additional electrode improves the field conditions in front of the target, so reducing distortion of the scanning beam. While requiring a slightly higher light input than the 5820 or 7293, its sensitivity is adequate for outside broadcasts or in the studio.

4½-INCH IMAGE ORTHICONS

E.E.V. type	Alternatively known as	Description
7295	P811	A general purpose tube with a medium target capacitance, suitable for both outdoor and studio use.
7389	P822	Tube with a target capacitance between that of the 7295 and that of the P812, and normally recommended for studio use.

4½-INCH IMAGE ORTHICONS

E.E.V. type	Alternatively known as	Description
P812§	—	Tube with a higher target capacitance than the 7389, and suitable for use in standards conversion equipment.
P815§	—	For medical and scientific use, for low light level applications; not recommended for broadcast use.
P825§	—	For use in X-ray image amplifier equipment utilizing a wide aperture optical system.

VIDICONS

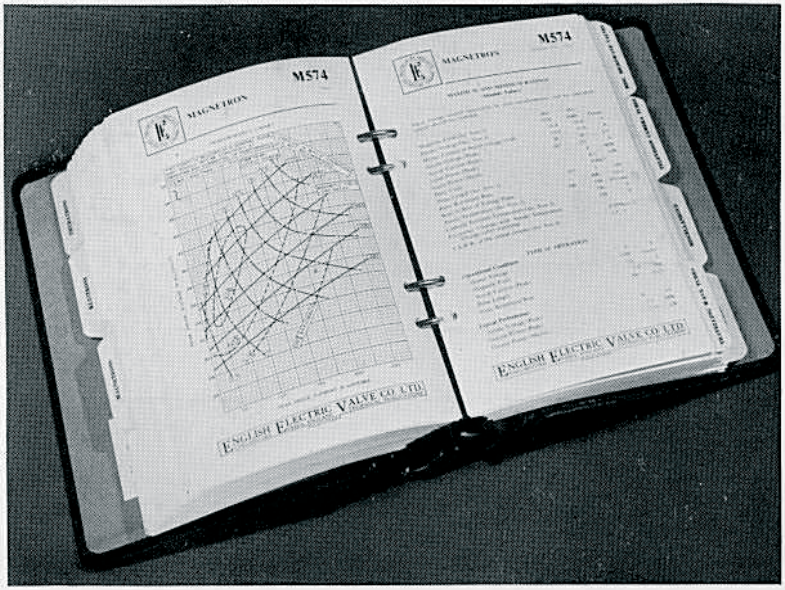
E.E.V. type	Alternatively known as	Description
6198	P810	1-inch Vidicon for a wide range of industrial research and development applications. Incident light on photo-layer 3–10 ft. candles.
6326	P813	1-inch Vidicon for pick-up from film (telecine), for broadcasting use. Incident light on photo-layer 50–300 ft. candles.
→7038	—	1-inch Vidicon for use over a wide range of applications. Incident light on photo-layer 3–300 ft. candles, according to requirements.
P820	—	1-inch Vidicon for pick-up from limited motion scenes. Broadcasting quality. Incident light on photo-layer 6 ft. candles.
→P826	—	1-inch Vidicon similar to 6198 with relaxed specification for blemishes in the outer areas of the picture.

§ Not available from stock.

→ Indicates a recent addition to the range.

We welcome enquiries for special valves not included in this catalogue

E.E.V. VALVE DATA BOOKS



These Data Books give full information, including operating conditions, characteristic curves and outlines, for over 250 E.E.V. Co. Ltd. valve types. In addition, each section of the Data Books is preceded by a preamble to assist in making the best use of the data provided.

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$4\frac{1}{2}$-inch IMAGE ORTHICON 7295

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Manufacturers of
SPECIALISED ELECTRONIC VALVES AND TUBES

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