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ECONOMIC INTELLIGENCE REPORT

THE ELECTRON TUBE INDUSTRY IN THE SOVIET BLOC

CIA/RR 7

ANNEX

CATALOGUE OF ELECTRON TUBES PRODUCED IN THE SOVIET BLOC

29 August 1952

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CENTRAL INTELLIGENCE AGENCY

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CONTENTS

	<u>Page</u>
Foreword . . . . .	1
I. USSR . . . . .	2
1. Receiving Tubes . . . . .	2
2. Transmitting and Special Tubes . . . . .	9
3. Cathode-ray Tubes . . . . .	17
II. European Satellites . . . . .	13
1. Receiving Tubes . . . . .	18
2. Transmitting and Special Tubes . . . . .	20
3. Cathode-ray Tubes . . . . .	21

NOTE ON CLASSIFICATION

The over-all classification of this report is TOP SECRET. Some pages, however, are of lower classification and are so designated.

~~TOP SECRET~~

CATALOGUE OF ELECTRON TUBES PRODUCED IN THE SOVIET BLOC

Foreword

The catalogue of electron tubes produced in the Soviet Bloc is divided into two geographic sections, one for the USSR and one for the Satellite countries. Each of the geographic sections is divided into three functional subsections: receiving tubes, transmitting and special tubes, and cathode-ray tubes. These subsections correspond to the three general categories of tubes. Small transmitting tubes are included under receiving tubes, since they are approximately the same size as receiving tubes and are made on the same sort of machinery, usually by mass production methods. Similarly, some types, such as klystrons, which are primarily receiving types but which are made by special methods are included under transmitting and special tubes. This latter category also includes large rectifiers, photoelectric tubes, gas discharge tubes, and any types not made by mass production methods.

In the Soviet section of the catalogue there are two designations for most of the tubes, since the numbering system has been revised. In the first column in the Soviet section the Cyrillic alphabet has been used throughout, since this is the alphabet in use in the revised numbering system. The alternative markings are principally US designations of the US tubes which the Soviets have copied.

Tubes included in the Soviet section are those which are made domestically in the USSR. An attempt has been made to omit those tubes which are used in the USSR but which are not produced there. In addition, those tubes which definitely are known to be in quantity production are marked in the first column with an asterisk (\*).

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1. Receiving Tubes (Continued)

<u>Type</u>	<u>Alternative Markings</u>	<u>Remarks</u>
6E5	EFM1, VT215, UM4	Tuning indicator mixer
6E8		Mixer
6H1Ж	954, CF1, CF7	Acorn pentode
6H2M	1851, 6AC7	Television pentode
6H3M	1853, 6A37	Television pentode
6H4B	6A 7, 6AG7	High slope pentode
6H6M		Pentode
6H7B	6K7, 6J7	r.f. pentode
6H8	Z62D, Z62	r.f. pentode
6H11B	6SH7	Pentode
6H14B	1852, 6AC7	Pentode
6H17B	6SJ7	Pentode
6K1Ж	956	Acorn pentode
6K1П	9003	Miniature vari-mu pentode
6K2Ж		Acorn triode
6K5		Triode
6K7B	6K7, UF3, UF9, CF2, CF3	Pentode
6K9	6K9M, 6SK7-GT	r.f. pentode
6K12B	6SG7, 6H12B	r.f. pentode
6K15B	1853, 6A37	Television pentode
6K17B	6SK7	r.f. pentode
6K19П	9003	Miniature r.f. pentode
6K7	6F7	Triode pentode
6KY7		Secondary Emission Valve
6H1П	6H15, 6J6	Mixsture twin triode
6H7	6H7C, 6N7	Type twin triode
6H8	6H8M, 6SN7GT	Twin triode
6H9	6SI7, 6SL7GT	Twin triode
6H9M	Twin triode	
6H10	6SC7	Twin triode
6П 1	6K6	Pentode
6П 2	6V6, 6V6G, 6V6GT	Tetrode
6П 3	6U6C, 6L6, 6L6G 6H5, 6J6	
6П3M		I.h. output pentode
6П3C		Beam tetrode
6П4	6G6-G, 6U6C, 6U6G 6П4M	Output pentode
6П6B	6Q6, 6Q6M, 6P6	Output pentode
6П6C		Output pentode, beam tetrode
6П76	6P6C	Output pentode
6P1B	6SR7	Double diode triode
6P3		Beam tetrode - See 6Y6G
6P7	6R7, 6R7, 6Q7	Double diode, triode
6P7B	6R7, 6Q7	Double diode
6P17B	6SQ7	Double diode
6PZ		Receiver valve
6C1 Ж	955	Acorn triode
6C1 П	9002	Miniature triode
6C2 B	6C2, 6 5, 6J5 6J5-GT	Triode

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
6C4 B	6C5, 6F5, 6P5M	Triode
6C5 B	6C5, 6C5M, CC2 VC1	Triode
6C6	6B4C, 6B4G, 6B4C	D.h. triode
6C8 II	9002	Miniature triode
6CK7	6F7	Triode pentode
6CJ2M		Triode
6CJ6		Pentode
6CJ76		Secondary emission pentode
6X6 B	6X6, 6X6F, 6X6M AB1, BB1, AB2, 6H6	Double diode
6A15		Twin diode
6AQ5		Twin diode
6AS7		Receiving tube
6C3G	VT163	Twin triode
6D6	VT69	Pentode
6F4		Acorn triode
6F8	VT99	
6FU6		Secondary emission pentode
6G5	6U5, VT98	Type tuning indicator
6J4		American type grounded grid triode
6K63T	VT152	Type pentode
6L9G	VT213A	Triode
6N6		Twin triode
6PZ		Receiver valve
6ST7		d.d. triode
6Y6G	VT168A, 6P3	Pentode
6Z4	VT84	f.w. rectifier
6Z5		f.w. rectifier
6Z40		
10	VT25	Triode
12B1/M	12B1	d. diode pentode
12E2/M	12B2	d. diode pentode
12H1 )		double tetrode
12H1M )		
12H1 J	RV-12P-2000	Tetrode hexode
12H1M	12J1	u.h.f. pentode
12H17B	12SJ7	I.h. pentode
12K1	12K1M	Pentode
12K8		Pentode
12K12B	12SG7	f. ch.
12K17B	12SK7	Pentode
12J1M		Vari-mu pentode
12M1	12M1/M	Tetrode-hexode
		(Twin pentode
		(triode pentode
12H1	12AH7, 12AH7C <sup>Q</sup>	Twin triode
12H6	VT214	Twin diode
12H10	12SC7	Triode
12M.	12A6	(Beam tetrode
		(D.d. pentode

1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
12A6	12A6	Beam tetrode
12P1B	12SR7	D.d. triode
12P17B	12SQ 7	d.d. triode
12O2	12J5	Triode
12C8	VT153	d.d. pentode
12KS		f.c.
12SA7		Type
12SF7		
12SL7GT		
13n1	13P1M, 13 1M	Beam tetrode
15A6		Pentode
15A6C		Output pentode
2102M		Vari-mu r.f. pentode
22	VT26	
24	VT28	Tetrode
24A	VT28	Tetrode
25n1	25n1C, 25PIG, 25L6G	Beam tetrode
25P1		Pentode
25L6	VT201	Pentode
27	VT29	C.V. 944 (triode)
30	VT27	Triode
30Bn1	30n1M, 30Z1	Single diode
30Bx1	30H6C, 30Z6G, VY1, VY2, UY1, UY31, CY1, CY2, CY31, CY32	Full wave rectifier
30n1	30n1M, 30PLM	Beam tetrode
31	VT31	Triode
32	VT44	Tetrode
33	VT33	Pentode
34	VT54	Pentode
35	VT35	Tetrode
35W4		
36	VT36	tetrode
36A	VT36	Tetrode
37	VT37	Triode
37A	VT37A	Triode
38	VT38	Pentode
38A	VT38A	
39	VT49	
40	VT40	Triode
41	VT48	Pentode
45	VT45	Triode
46	VT63	Tetrode
47	VT47	Pentode
50	VT50	American type triode
75	VT75	American type d.d. triode
75C-5-30	VR75, VR75/30	Neon stabiliser
76	VT76	American type triode
80	VT83	American type f.w. rectifier
84	VT84	American type f.w. rectifier
89	VT89	American type
90C-10-40		Helium stabiliser



1. Receiving Tubes (Continued)

Type	Alternative Markings	Remarks
105C5-30	VR105, VR105/30	(Neon stabiliser (helium stabiliser
105C-5-30	VR150, VR150/30	Helium stabiliser
188		Full wave rectifier
957		Acorn triode
958	VT212	American type triode
959		Acorn pentode
9001		Pentode
9005		u.h.f. acorn diode
9006		u.h.f. diode
B2	1E5-9, 2	Barretter
B3	1E-10-17, B3, BC3	Barretter
KBG1		D. Diode triode
P5		D.h. triode
P6		Triode
P7		D.h. triode
P27		Output triode
P31		Output triode
CB1	CB1	Double diode
CB2	CB2	Double diode
CB4	CB4	X ray tube, industrial type
CG109		d.h. triode
CE142	CG142, SB142	Triode
CE143		Output triode
CE146		Output pentode
CE147	CG147, SB147	R.f. tetrode
CE151		R.f. tetrode, vari-mu
CE152		Triode
CE156		D. diode triode
CE190		Pentode
CE191		Pentagrid
CE194		Twin triode
CE219		Directly heated diode
CE240		L.F. triode
CE26		Neon stabiliser (stabilovolt 280/40)
CE27		Neon stabiliser (stabilovolt 280/80)
Cr280-40		Stabilovolt
CO2K2M		d.h. pentode
CO44		D.h. tetrode
CO31		Tetrode
CO90		Pentode
CO95		Tetrode
CO142		Triode
CO144		Tetrode
CO183		Pentagrid
CO184		Diode triode
CO185	ABC1	d. diode triode
CO186		d.h. triode
CO187		Output pentode
CO193		D. diode pentode
CO194		(twin triode
MT2		(D. diode triode
MC50		d.h. triode Line Scan output valve

1. Receiving Tubes (Continued)

<u>Type</u>	<u>Alternative Markings</u>	<u>Remarks</u>
CO200		Output tetrode
CO242		Heptode or pentode
CO247		c.h. pentode
CT6		Double grid valve
CT19		D.h. triode
CT80		R.f. tetrode
CT83		D.h. triode
TO143		D.h. triode
yB111	YB111, UB111	D.h. triode
yB115	YB115, UB115	D.h. triode
yB147	YB147, UB147	D.h. triode
yB153	YB153, UB153	D.h. tetrode
yB155	YB155, UB155	Pentode
yB178	YB178, UB178	D.h. triode
yB179	YB179, UB179	Output triode
yB180	M45, YB180 ) MC3, UB180 ) YB182, UB182	Power triode
yB182		Output triode
yF1		Output triode
yK30	YK30, UK30	Output triode
yO3	YO3, UO3	Output triode
yO8	YO8, UO8	D.h. tetrode
yO104	YO104, UO104	D.h. output triode
yO107	YO107, UO107	D.h. triode
yO178	YO178, UO178	D.h. triode
yO201	YO201, UO201	Output triode
yT12	YT12, UT12	Output triode
yT92	YT92, UT92	D.h. triode
D1D		Subminiature diode

2. Transmitting and Special Tubes

<u>Type</u>	<u>Alternative Markings</u>	<u>Remarks</u>
0.156DM5		Therapeutic X Ray tube
0.3517-35		Barretter
0.3565-35		Barretter
06Д2В		Subminiature
1В 1	1 1, 1Z1	Television line flyback rectifier
2A2M		Mercury rectifier
2B6		Mercury rectifier
2B12		Mercury rectifier
2B20		Mercury rectifier
2B30		Mercury rectifier
2B50		Full wave rectifier
2B100		Full wave rectifier
2BH4-3000		Mercury rectifier
2BH 6		Mercury rectifier
2BH6-10,000		Mercury rectifier
2BH 12		Mercury rectifier
2BH 20		Mercury rectifier
2C40	GL2C 40	lighthouse triode 60cm
2C43	GL2C 43	lighthouse triode S-band
2TМ100		twin triode
2X1		Full wave rectifier
3B7/1291	VT182	Rectifier
3B12		Mercury rectifier
3B30		Mercury rectifier
3BH1-500		Mercury rectifier
3BH1-1,500		Mercury rectifier
3BH4-3000		Mercury rectifier
3BH-6-1500		Mercury rectifier
3BH6-8000		Mercury rectifier
3BH6-12000		Mercury rectifier
3BH6-15000		Mercury rectifier
3BH 12		Mercury rectifier
3BH 15-8000		Mercury rectifier
3BH-15-10,000		Mercury rectifier
3BH 30		Mercury rectifier
3BH 60		Mercury rectifier
3BH 100		Mercury rectifier
3BH 100-500		Mercury rectifier
3BH-250		Mercury rectifier
3BH-3000		Mercury rectifier
3BH-6000		Mercury rectifier
3J21		Q-Band packaged Cavity Magnetron
4J45		S-Band Cavity Magnetron-American type
4J50		X-Band packaged cavity
5P25		transmitting valve
204a	VT22	triode
207	VT34	triode, 10,000 watts Plate diss.
211	VT4-D	triode
236		Rectifier
237		Rectifier
250TH		triode
250TL	VT130	triode
275/7		Experimental magnetron, 2 4.5mm, 100 watts
104TL	VT129	triode

~~TOP SECRET~~  
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2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
307A/RK75	V1225	pentode
316A	V191	triode
317A	V166	
450	V1108	
531	V1141	
585	V150	
586	V150	
615	V1235	
705A/8021	V1255	American type H.w. rectifier
706Ay		American type S-band cavity magnetron
707A/B		American type S-band klystron
717		A.F. pentode (acorn)
717A	VT269	American type h.w. rectifier
725		X Band strapped magnetron
725A		Magnetron See 2011
726A		S Band klystron
730	2116	Magnetron
800	VT64	American type triode
801	VT62	American type triode
803	VT106	American type pentode
811		American type triode
812		American type triode
813	VT144	American type triode
815	VT287	American type twin pentode
816	VT216	American type h.w. rectifier
829		See 2026
829B		See 2026
832	VT118	American type twin pentode
832A	VT286	American type twin pentode
836	VT236	American type h.w. rectifier
837	VT101	American type pentode
841	VT51	American type
842	VT72	American type
843	VT73	American type triode
843	VT43	American type triode
851	VT60	American type
851	VT41	American type triode
850	VT17	American type tetrode
861	VT19	American type tetrode
864	VT24	American type triode
1204		Pentode
1208		American type
1613	VT169	American type pentode
2108	VT175	Acorn pentode
БДН90	717A	X ray tube (diagnostic)
БДН100		X ray tube (diagnostic)
БДН75		X ray tube (diagnostic)
БДН85		X ray tube (diagnostic)
БК500		Transmitter triode
БСВ3		X ray tube (radioscopy)
БСВ4		X ray tube (radioscopy)
B-4-200	B-17 (K-5)	Rectifier
B-4-201	B-128 (K 3-5)	Rectifier
B-8-800	B-27 (K-3/600)	Rectifier

~~TOP SECRET~~

2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
BF1	BF161	Gas filled rectifier
BF1-5/5000		See 10
BF3	BF163	Gas filled rectifier
BF4	BF176	Gas filled rectifier
BF5	BF100/15000	Gas filled rectifier
BF6	BF236	Gas filled rectifier
BF7	BF237	Gas filled rectifier
BF8	BF25/500, BF -025/1500, 83	Gas filled rectifier
BF9	BF129, VG 129	Gas filled rectifier
BF10	BF1.5/15000	Gas filled rectifier
BF13		Gas filled rectifier
BF14		Half wave gas rectifier
BF126		Gas rectifier
BF130		Gas rectifier
BF131		Gas rectifier
BF167		Gas rectifier
BF222		Gas rectifier
BF251		Gas rectifier
BF252		Gas rectifier
BF431		Gas rectifier
ВД (B1-201)	V1-201	Gas rectifier
ВД5 (B27-800)	V27-800	Gas rectifier
ВД6		E.H.T. hard rectifier
ВД (B20/20)	V20/20	Rectifier
ВД (B8-800)	V8-800	Rectifier
ВД (B27-8000)	V27-8000	Rectifier
ВД (B27-801)		Rectifier
ВД190		X ray tube
ВДК100		X ray tube
ВДМ75		X ray tube
ВДМ85		X ray tube
ВМН-1		X ray tube
В01		Neon indicator
В025		Half wave rectifier
В0116	2B-400	See 5BX1
В0122		F.W. d.h. rectifier
В0125		F.W. rectifier
В0169		F.W. d.h. rectifier
В0183		H.W. rectifier
В0188		d.h. double diode, oxide cath.
В0196		See 4BX1
В0197		Half wave rectifier
В0202	2B-150	Rectifier
В0220		F.W. rectifier
В0230		F.W. rectifier
В0239		See 4B 2
ВПМ		See 4B 1 and 4BX2
ВСВ3		Oil cooled X ray tube
ВСВ4		Water cooled X ray tube
BT1	TF8/3000	Water cooled X ray tube
BT5	TF120/15000	Gas relay
BT2	TF15/3000	Gas relay (mercury)
BT14		Gas relay (mercury)
Г2-100		H.W. rectifier
Г4-4		Transmitting triode
Г4-150		Triode
Г10	Г4	Triode
Г32		Power triode (Svetlana)
Г36		Power triode
		Power triode

~~TOP SECRET~~  
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2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
Г37		Output triode
Г54		Oscillator (Svetlana)
Г62		Oscillator (Svetlana)
Г65	Г1, Г9	D.h. triode
Г68	Г300	Oscillator (Svetlana)
Г87		Power triode
Г88		Power triode
Г121		Transmitting triode
Г91		Power triode
Г149		Transmitting triode
Г256		Triode oscillator
Г403		Pentode transmitter
Г404		Pentode transmitter
Г406		Pentode transmitter
Г407		Pentode transmitter
Г408		Pentode transmitter
Г409		Pentode transmitter
Г410		Triode oscillator
Г412		Pentode
Г413		Sec 2
Г414		Pentode oscillator
Г417		Triode oscillator
Г418		Pentode oscillator
Г419		Pentode oscillator
Г422		Pentode oscillator
Г 424		Pentode oscillator
Г425		Pentode oscillator
Г430		Pentode oscillator
Г440		Triode oscillator
Г440А		Pentode oscillator
Г441		Pentode oscillator
Г464		Triode oscillator
Г472		v.h.f. triode gen. 200 mc/s
Г499Н		Triode oscillator
Г827		Triode oscillator
Г880		Tetrode
Г889		Triode oscillator
Г891	ГC(Г891)	Triode oscillator
Д20		891 triode
ГД50	Г-46, ГГ-10	Power triode
ГД100	Г-47, ГД250	Transmitting triode
ГД200	( Г49, 0 5250	Transmitting triode
	( Г04	Transmitting triode
ГД400	( Г51, 6Т500	
	( Г06, Г56	Transmitting triode
ГД1000	Г29, Г 100	
ГДЖ2	Г413	Transmitting triode
ГДЖ4	Г471	Triode oscillator
ГД015	Г61, Г 2-200	Pentode oscillator
ГД030	( Г64, Г454	Triode oscillator
	( Г5000, Г03В	Triode oscillator
ГД31	ГК3100	tetrode oscillator
ГВ3100		Triode oscillator (pulsed)

~~TOP SECRET~~

2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks	
ГК20	ГК 36	D.h. triode	
ГК33		Transmitter triode	
ГК300		Triode oscillator	
ГК750		Triode oscillator	
ГК920		Tetrode oscillator	
ГК936		Triode	
ГК8-150		C106	Tetrode
ГК3-300		C109	Triode
ГК3-500			Oscillator, tetrode
ГК3-1000		C103	Transmitter triode, tetrode
ГС4В	Г431, Г452	Water cooled triode	
ГС4Д	Г431P	triode oscillator	
ГС5В	Г433	triode oscillator	
ГС7	(Г3000 Г58, Г2300	triode oscillator	
ГС18	(Г18, ГК 010, Г450, Г92, ГК2000	triode oscillator	
ГУ150	КС4	Transmitter triode	
ГУ40	Г411, КК 1	Pentode oscillator	
ГУ82	807, Г807, КК2	tetrode	
ГУ83	КК3, 1625, Г1625	Pentode	
ГУ0-5	Г120	Transmitting triode	
ГУС2	ГУ4, ГКВ4, КС2	Output triode	
Д1П		S-Band diode	
Д2		u.h.f. triode oscillator	
ДВ110		X ray tube	
ДТ2		Directly heated triode	
И1		Power triode	
И2		Power triode or barretter	
И3		Power triode or barretter	
И9		Power triode	
И228		Ignitron	
И30-3000		Ignitron	
И233		Ignitron	
И234		Ignitron	
И30,000		Ignitron	
К2150		H.V. rectifier	
К2Г		H.V. rectifier	
К3-5		H.V. rectifier	
К3-50		H.V. rectifier	
К3-150		H.V. rectifier	
К5		H.V. rectifier	
К9		triode	
К20		Power triode	
КД		Rectifier	
КК( Г827)	РЕЗНАТРОН	tetrode	
КК( П6)		Pentode	
КК( П15)		Pentode	
КК( П50)		Pentode	
КР110		Rectifier (Xray)	
КР220		Rectifier (X ray)	
КРМ110		Rectifier (X ray)	
КС1		Triode	
КС3		Triode	
КС7		Triode	

2. Transmitting and Special Tubes (Continued)

Type	Alternative Markings	Remarks
KC (Г 256)		500 mc./s. triode
KC (Г 449H)		Pulse valve
KC (Г 472)		Triode
KC (Г 499H)		Triode
KC (Г 880)	880	American Type
KC (Г 889)	889	American Type
KC (ГМ 3100)		300 mc/s. triode
KC (ГР 300)		High power triode
KC (ГР 750)		high power triode
KCV2 Д		Pulsed u.h.f. triode
KCP		H.w. rectifier
KT2		L.F. triode
KQ1	Р829	Twin beam tetrode
KQ2	Р832	Twin beam tetrode
KQ3	Р813	Pentode
ЛП1		c.r. switch
ЛП704		c.r. switch
ЛП722		c.r. switch
M10		Modulator
M20		Modulator
M28		Power triode
M30/450	MC (M30/450)	Triode modulator
M39	Р5, M42, M84	Power triode
M41	MC (M41)	Triode modulator
M50		Triode modulator
M53	M250	High power triode
M57	M100	High power triode
M60		High power triode
M74		Microvalve
M80		Triode modulator
M89		High power triode
M150		Modulator
M400		Modulator
M401		Modulator
M451		Triode modulator
M470	(M419, MC (M470))	Triode modulator
M800		Triode modulator
M1000	MC (M1000)	Triode modulator
M2000		Triode transmitter
MDC		Tetrode
MMPPO		D.h. triode
MIC		Tetrode (twin grid)
MH3		Neon signal lamp
MO10		Modulator
MO20		Triode
MO119		Triode
MC1	M600	(Triode modulator (also West European type)
MC4	M435	Triode modulator
MC5	M3000	Triode modulator
ET1		Directly heated triode
TH1		Thyratron
TH2		Thyratron
TH-1		Neon lamp
120-60/60		Barretter
120-60/80		Barretter
125-75/200		Barretter
150-150/150		Barretter



2. Transmitting and Special Tubes (Continued)

<u>Type</u>	<u>Alternative Markings</u>	<u>Remarks</u>
H50-150/200		Barretter
H70-210/60		Barretter
H85-255/60		Barretter
H85-255/80		Barretter
H85-255/100		Barretter
H85-255/120		Barretter
H85-255/150		Barretter
H85-255/220		Barretter
H85-255/200		Barretter
H125-375/160		Barretter
H125-375/220		Barretter
H160-480/160		Barretter
H200-600/160		Barretter
H200-600/220		Barretter
HT2		Barretter
HT79		Neon tube
Π6		I.h. triode
Π7		Pentode
Π15		D.h. triode
Π19		Pentode
Π50		Triode
Π800		Pentode
Π6108	ΠB108	Pentode oscillator
Π6110	ΠB110	D.h. triode
ΠB		D.h. triode
ΠH2		Water cooled X ray tube
ΠO20		Neon signal lamp
ΠO23		Triode
ΠO74		Triode
ΠO114		Triode
ΠO119		Triode
ΠT2	OT1	Output triode
ΠT8		Triode
ΠT19		Triode
ΠT20		D.h. triode
PA350		Triode
PA460		Gas discharge tube
PA1		Gas discharge tube
PA2	PB1	Gas discharge tube
PA108	PB2	Gas discharge tube
PA110		Triode
PA280	PB280	Triode
PA350	PB350	Gas discharge tube
PA430	PB430	Gas discharge tube
PA100		Gas discharge tube
PA90		X ray tube water cooled
PA100		X ray tube air cooled
PA100		X ray tube air cooled
PA100		Triode
PMHB-500x6		Mercury vapour rectifier
PMHB-500x12		Mercury vapour rectifier
PMHB-1000		Mercury vapour rectifier
PH 1M		Mercury vapour rectifier
PT1	TF2050	Disc seal soft rhumbatron
		Thyratron tetrode

TOP SECRET

APPENDIX A

2. Transmitting and special Tubes (Continued)

<u>Type</u>	<u>Alternative Markings</u>	<u>Remarks</u>
PT2	TP213	Thyratron
PT3	TP3 235	Thyratron
PT4	TP212	Thyratron
PT5	884, 885, TP884	Thyratron
PT6	TP1050	Thyratron
C1		West European barretter
C1X		West European barretter
C2		West European barretter
C3		West European Barretter
C4		West European barretter
		West European barretter
C6		West European barretter
C7		West European barretter
C8		West European barretter
C9		West European barretter
C10		West European barretter
C12		West European barretter
C94		Triode
C164		Power triode
C300		Triode
CM2		Bigrid electrometer tube
CK137		Transmitting tetrode
CK139		High power triode
CK158		D.h. output tetrode
CK164		Output tetrode
CM1Д		Cm. pulsed magnetron forced air cooling
CTCT6		Tetrode
CTB-4		Photo element
CTB-51		Photo element
CTP-4		Photo element
CTP-51		Photo element
T		X ray tube
T4		Triode
T24		Pentode
TP0-3		Inert gas relay
TP160		Mercury gas relay
TP162		Mercury gas relay
TP205		Mercury gas relay
TP215		Neon gas relay
TP229		Mercury gas relay
TP235		Mercury gas relay
TP100		Transmitter triode H.
PH		Neon lamp for phototelegraphy
HP-1		Photo element
HP-2		photo element
HP-3		photo element
HP-4		photo element
HP-5		photo element
HPH4		photo element
EM1		Electrometer valve
EM2		Electrometer valve
G 800		Tetrode or pentode
GD 200		Triode
GD0 30		Long wave transmitter valve
GKE100		Tetrode oscillator
GKE 150		Possibly higher powered GKE 1.0
GKE 600		Triode
GKO 10		R.f. transmitter

3. Cathode-ray Tubes

Type	Alternative Markings	Remarks
5Л01В	2AP1, Л0738	C.R. tube (electrostatic)
8Л01В		C.R.T., F.S. 8cm green screen
8Л02В	3BP1	C.H.T., F.S.
8Л03В	3OP1	C.R.T.
13Л01В	Л0-709	electrostatic 5" oscilloscope
13Л02В	5CP1	electrostatic 5" oscilloscope
13Л05П	5CP7	Electrostatic 5" oscilloscope
13Л06П	5FP7	electrostatic 5" oscilloscope
17ЛКБ	ЛК-715	C.R.T.
17ЛК1В	ЛК-726	C.R.T.
17ЛК2В	ЛК-715А	C.R.T.
18ЛК1В	ЛК715	Kinescope 7"
18ЛК2В	ЛК715А	625-line Kinescope 7"
18ЛК3В	ЛК726	Kinescope 7"
18Л01П	7BP7	e.m. oscilloscope 7"
Э1Л01П	12AP7, 12DP7	E.m. oscilloscope 12"
905		Cathode ray tube 6"
ЛК703		Kinescope
ЛК707		Kinescope
ЛК708		Kinescope
ЛК718		Kinescope
Л0700		Kinescope
Л0701		Cathode ray oscillograph
Л0702		Cathode ray oscillograph
Л0705		Cathode ray oscillograph
Л0706		Cathode ray oscillograph
Л0710		Cathode ray oscillograph
Л0711		Cathode ray oscillograph
Л0712		Cathode ray oscillograph
Л0713		Cathode ray oscillograph
Л0714		Cathode ray oscillograph
Л0716		Cathode ray oscillograph
Л0717		Cathode ray oscillograph
Л0719		Cathode ray oscillograph
Л0720		Cathode ray oscillograph
Л0721		Cathode ray oscillograph
Л0729		Cathode ray oscillograph
Л0730		Cathode ray tube 3"
Л0736		Cathode ray tube 3"
Л0737		Cathode ray tube 5"
23ЛК1В		Green oscillograph tube 5"
30ЛК1В		CRT; 230 mm screen
		CRT; 300 mm screen

Part II: European Satellites

1. Receiving Tubes

<u>Type</u>		<u>Remarks</u>
AS 2	NOTE: Standard European "A" Series, 4.0 volt heaters or filaments.	Duplex - Diode
AC 50		Triode
AD 1		Triode Power Amplifier
AF 2		RF Pentode
AF 7		RF Pentode Ampl.
AH 1		Hexode
AL 1		Pentode
AL 4		Pentode Power Amplifier
AL 5		Pentode Power Amplifier
AZ 1		Rectifier
AZ 2		Rectifier
AZ 3		Rectifier
AZ 11		Rectifier
CL 4		Pentode Power Amplifier
DDD-25		Twin Triode Power Amplifier
E 22a		Twin Triode Power Amplifier
EBL 1		NOTE: Standard European "E" Series, 6.3 volt heaters
EBL 21	Duplex diode, power amplifier	
EC 50	Gas triode	
ECH 4	Triode Heptode converter	
ECH 11	Triode Hexode Converter	
ECH 21	Triode Heptode converter	
ECL 11	Triode Tetrode Beam Power Amplifier	
EF 6	RF Pentode Amplifier	
EF 8	RF Hexode Amplifier	
EF 9	RF Pentode Amplifier	
EF 11	RF pentode amplifier	
EF 12	RF pentode amplifier	
EF 13	Low noise RF pentode Amplifier	
EF 1A	Pentode Amplifier	
EF 22	RF pentode amplifier	
EL 12	Pentode power amplifier	
EM 11	Electron ray indicator	
ETV 70/6	Stabilizer	
ETV 100/40z	Stabilizer	
LD 1	UHF triode power amplifier	
LD 2	UHF Triode power amplifier	
LG 7	UHF Duplex diode	
LG 10	Full wave rectifier	
LG 16	UHF single diode	
LG 71		
LG 75		
LG 76		
LG 79	Pentode	
LG 80		
LS 50	Pentode power amplifier (also called P50)	
LV 3	Pentode	
LV 4	Twin pentode power amplifier	
LV 21	Pentode	
N 70/1.5	Thyratron	
N 70/6	Thyratron	
N 110/10	Thyratron	
N 110/20	Thyratron	
N 110/40	Thyratron	
N 190/6	Thyratron	
N 190/10	Thyratron	
N 190/20	Thyratron	
N 190/40	Thyratron	
N 280/3	Thyratron	
N 280/10	Thyratron	
N 350/20	Thyratron	

1. Receiving Tubes (Continued)

Type	Remarks
RV2P800	RF pentode amplifier
RV 12 P2000	RF pentode amplifier
RV 12 P2001	RF pentode amplifier
RV 12 P-3000	Pentode amplifier
RV 12 P-4000	Pentode amplifier
S 1/0.21	Rectifier
S 1/11	Rectifier
S 1/61	Rectifier
S 5/11	Rectifier
S 5/6 1	Rectifier
S 5/20 1	Rectifier
S 7.5/0.5	Rectifier
S 15/5d	Rectifier
S 15/401	Rectifier
S 15/1501	Rectifier
SKL 05	Rectifier
S 0.8/21	Thyratron
S 0.35/0.6	Thyratron
STV 70/6	Voltage regulator
STV 100/25	Voltage regulator
STV 100/40	Voltage regulator
STV 100/60	Voltage regulator
STV 150/20	Voltage regulator
STV 150/40	Voltage regulator
STV 280/40	Voltage regulator
STV 280/80	Voltage regulator
Te 5	Glow lamp
U 21	NOTE: Standard
UBL 21	European type
UCH 21	series
UF 21	series-connected
UY IV	0.1 Amp heaters
UY 21	series-connected
V 120/8010k	Thyratron
V 120/8001v	Thyratron
V 125/502p	Thyratron
V 150/1502p	Thyratron
V 150/1202p	Thyratron
V 230/502p	Thyratron
V 230/802p	Thyratron

2. Transmitting and Special Tubes

Type	Remarks
AG 1006	Rectifier
DE 200/6	X-Ray
DE 200/15	X-Ray
DE 200/30	X-Ray
GE 75/065d	Rectifier
G-10/4d	Rectifier
G-10/61	Rectifier
G-20/5d	Rectifier
HBO 107	Mercury Ultra-violet source
HBO 200	Mercury Ultra-Violet source
HBO 500	Mercury Ultra-Violet Source
HBO 510	Mercury Ultra-Violet Source
HBO 1000	Mercury tube ultra violet source
HBO 2000	Mercury Ultra violet source
HBO 2001	Mercury Ultra-Violet Source
HBO 2011	Mercury Ultra-Violet Source
HBO 5000	Mercury Ultra-Violet Source
J1/3500/150	Rectifier
JR 260k	X-Ray
JR 60k	X-Ray
LD 6	Impulse Triode Metal Ceramic
LD 7	Impulse Triode Metal Ceramic
LD 9	Triode Metal Ceramic
LD 11	Triode Metal Ceramic
LD 12	Triode Metal Ceramic
LD 70	Triode Metal Ceramic
LD 90	Triode Metal Ceramic
LKV 2001a	Impulse
LKV 2095	Magnetron
P 35	Pentode Amplifier
HBS 34	Pentode
RD 12 Pt	Pentode Amplifier
RLJP2	Pentode Amplifier
RL 12 F10	Pentode Amplifier
RL 12 P35	Pentode Amplifier
US 207	Triode
RS 217	Triode 12000 w
RS 253	Triode 800 w
RS 254	Triode 12000 w
RS 255	Triode 12000 w
RS 260	Triode 12000 w
RS 261	Triode 12000 w
RS 329	Triode
RS 366	Triode 60,000 w
RS 384	Pentode 450 w
RS 557	Triode 25,000 w
RS 720	10 kw Transmitting
T3m	X-Ray
T3k	X-Ray
T 329	Impulse Triode
TS-41	X-Ray
WO 200/30	Zinc Spectralamp
ZNE 16	Impulse tube, Tetrode (US Type)
5D 21	Klystron (US Type) 3cm.
723	Klystron (US Type) 10 cm.
726	

3. Cathode-ray Tubes

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<u>Type</u>	<u>Remarks</u>
LB 9a	Cathode Ray Tube
LKV 2068	Cathode Ray Tube
3DP1	Cathode Ray Tube (US Type)
5 FP 7	Cathode Ray Tube (US Type)