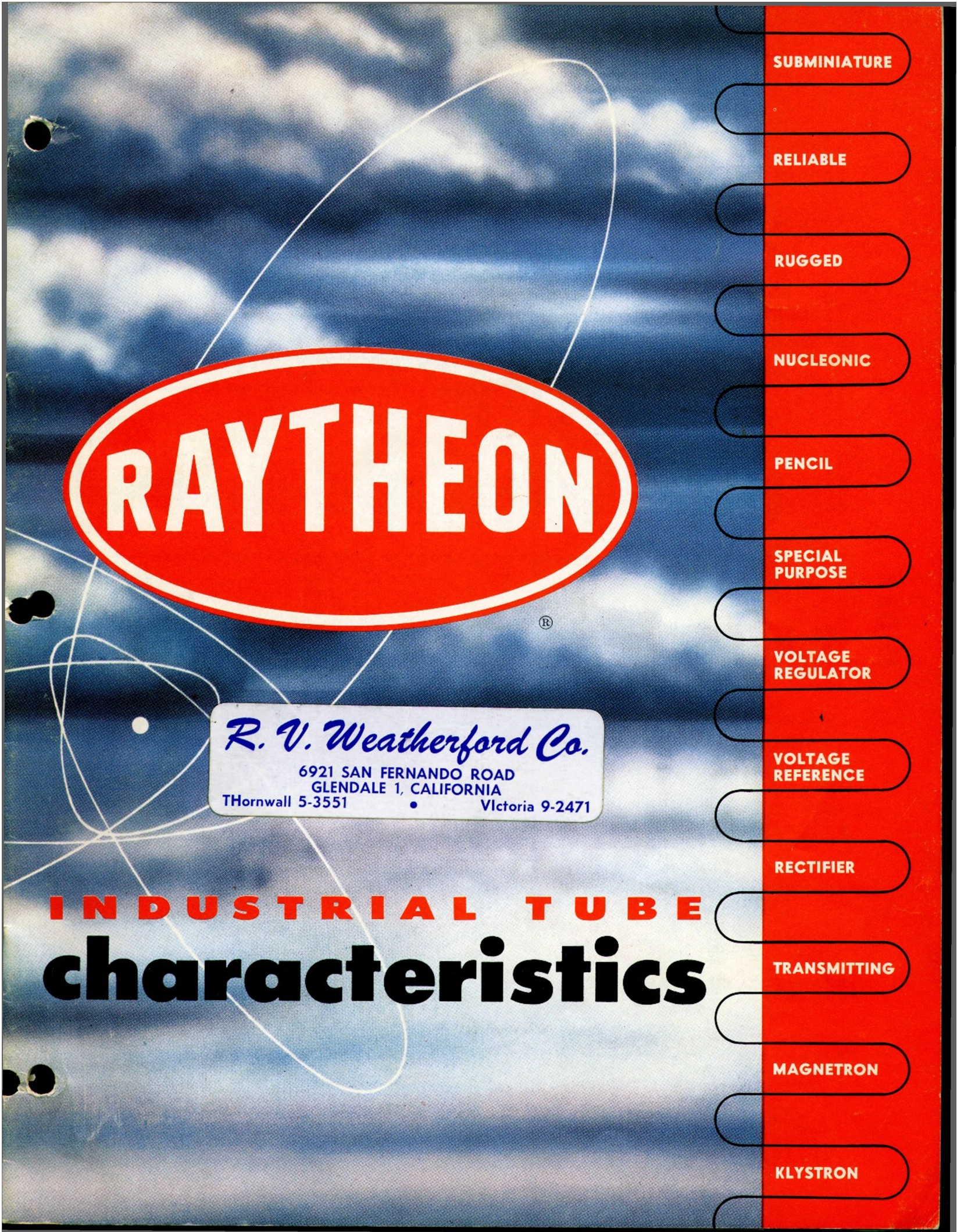




RAYTHEON

R. V. Weatherford Co.

6921 SAN FERNANDO ROAD
GLENDALE 1, CALIFORNIA
THornwall 5-3551 • VICTORIA 9-2471

INDUSTRIAL TUBE
characteristics

SUBMINIATURE

RELIABLE

RUGGED

NUCLEONIC

PENCIL

SPECIAL
PURPOSE

VOLTAGE
REGULATOR

VOLTAGE
REFERENCE

RECTIFIER

TRANSMITTING

MAGNETRON

KLYSTRON

INDEX

BH	N	2K26	R	6X4W	N	QK518	M	CK1026	F	CK5784	A	RK6146	P
OA2	G	2K28A	R	6X5WGT	N	CK520AX★	A	CK1028A	N	CK5784WA	D	CK6147★	A
OA2WA	G	2K29	R	7AK7	J	CK521AX★	A	CK1029	F	CK5785	N	CK6152	D
OA3/VR75	G	2K33	R	12J5WGT	E	QK522	M	CK1030	J	CK5787	G	CK6174	N
OA4G	H	2K45	R	RK25	P	CK523AX★	A	CK1031	J	CK5787WA	G	RK6177	Q
OB2	G	2K48	R	RK38	P	CK524AX	A	CK1032	F	CK5787WB	G	RK6178	R
OB2WA	G	2K56	R	RK59	P	CK525AX	A	CK1033	J	CK5794	C	CK6186	B
OB3/VR90	G	2X2A	N	RK61	H	CK526AX	A	CK1034	F	CK5814	B	CK6213	G
OC3/VR105	G	3A4	J	RK75	P	CK527AX	A	CK1035	F	CK5814A	B	RK6229	Q
OD3/VR150	G	3A5	J	CK108	J	CK528AX	A	CK1038	G	CK5814WA	B	RK6230	Q
OZ4A/CK1003	N	3B4	J	CK118	J	CK529AX	A	CK1044★	F	CK5829	A	RK6236	R
1AD4	A	RK3B24W	N	RX120	N	QK529	M	CK1049	F	CK5829WA	D	CK6245	D
1AE4	J	RK3B26	N	RX120A	N	CK531DX	A	CK1089	H	RK5836	R	CK6247	D
1AE5★	A	RK3B29	N	QK172	Q	CK532DX★	A	1614	P	RK5837	R	RK6249	Q
1AG4	A	RK4B31	N	RX212	N	CK533AX	A	RK1625	P	CK5851	A	RK6253	R
1AG5	A	4C35	H	RX215	N	CK534AX	A	1641/RK60	N	CK5854	A	RK6254	R
1AH4	A	RK4D22	P	QK246	Q	CK535AX	A	2050	H	CK5873★	A	CK6281	A
1B46★	G	RK4D32	P	QK264	Q	CK536AX	A	2051	H	CK5875	A	CK6286	A
1B47★	G	RK4J31	Q	QK288	R	CK537AX	A	CK5517	N	CK5876	C	RK6294	R
1B90★	F	RK4J32	Q	QK289	R	CK538DX	A	RK5586	Q	CK5879	J	RK6295	R
2C33/RX233A	H	RK4J33	Q	QK290	R	CK539DX	A	CK5608	J	CK5881	J	RK6310	R
2C34/RK34	P	RK4J34	Q	QK291	R	CK541DX★	A	CK5608A	J	CK5884	A	RK6312	R
2C50	J	RK4J35	Q	QK292	R	CK542DX	A	RK5609	Q	CK5885★	A	RK6316	R
2C52	J	RK4J36	Q	QK293	R	CK542DXS	A	CK5639	D	CK5886	A	RK6344	Q
2D21	H	RK4J37	Q	QK294	R	CK543DX★	A	CK5651	G	CK5889	A	RK6390	R
2E24	P	RK4J38	Q	QK295	R	CK544DX	A	CK5651WA	G	CK5893	C	CK6397	A
2E26	P	RK4J39	Q	QK306	R	CK545DX★	A	CK5654	B	CK5910	J	RK6402	Q
2E30	P	RK4J40	Q	310A	J	CK547DX	A	CK5654/6AK5W	B	CK5962	G	RK6403	Q
2E31	A	RK4J41	Q	QK313	Q	707B	R	CK5654/6AK5W/6096	B	CK5967	A	RK6406	Q
2E32	A	RK4J43	Q	QK324	Q	RK715C	P	CK5656	J	CK5968★	A	RK6410	Q
2E35	A	RK4J44	Q	QK329	Q	RK725A	Q	RK5657	Q	CK5969★	A	CK6418	A
2E36	A	RK4J53	Q	QK336	R	726C	R	CK5670	B	CK5970	A	CK6419	A
2G21	A	RK4J56	Q	QK362	Q	RK7370A	Q	CK5670WA	B	CK5971	A	CK6436	N
2G22	A	RK4J57	Q	QK366	Q	RK807	P	CK5672	A	CK5972	A	CK6437	G
RK2J23	Q	RK4J58	Q	QK367	Q	RK811A	P	CK5675	C	CK5975	A	CK6438	G
RK2J24	Q	RK4J59	Q	QK381	R	RK812A	P	CK5676	A	RK5976	R	CK6485	J
RK2J25	Q	RK4J61	Q	QK389	Q	RK813	P	CK5677★	A	RK5981/5650	R	RK6517	Q
RK2J26	Q	RK4J62	Q	QK390	Q	RK814	P	CK5678	A	RK5982	Q	RK6518	Q
RK2J27	Q	RK4J63	Q	QK404	R	RK816	N	CK5686	B	CK5995	N	CK6519	A
RK2J28	Q	RK4J64	Q	QK411A	L	RK829B	P	CK5687	J	RK6002	Q	CK6526	A
RK2J29	Q	RK5J26	Q	QK412	R	RK832A	P	CK5694	J	CK6005	B	CK6533	D
RK2J30	Q	5R4GY	N	QK414	R	RK837	P	CK5697★	A	CK6021	D	CK6540	D
RK2J31	Q	5R4WGY	N	QK422	R	RK866A	N	CK5702	A	CK6029	A	CK6542	G
RK2J32	Q	6AJ5	J	QK431	R	RK872A	N	CK5702WA	D	RK6037	R	RK6551	Q
RK2J33	Q	6AK5W	E	QK448	R	RX884	H	CK5703	A	RK6043	R	RK6573	R
RK2J34	Q	6AL5W	E	QK456	Q	RX885	H	CK5703WA	D	CK6050	A	CK6611	A
RK2J36	Q	6AN5	J	QK457	Q	954	J	CK5704	A	CK6051	A	CK6612	A
RK2J42	Q	6AN5WA	B	QK461	R	955	J	RK5721	R	CK6073	G	CK6659	N
RK2J48	Q	6AR6	J	QK463	R	956	J	CK5725	B	CK6074	G	RK6695	Q
RK2J49	Q	6AS6	J	QK470	Q	957	J	CK5726	B	RK6080	J	CK6763	N
RK2J50	Q	6AS6W	E	QK472	Q	CK1005	N	CK5744	A	CK6088	A	CK6832	D
RK2J51A	Q	6AS7G	J	CK501AX★	A	CK1006	N	CK5744WA	D	CK6092	A	CK6835	L
RK2J55	Q	6BL6	R	CK505AX★	A	CK1007	N	CK5749	B	CK6100	B	RK6841	Q
RK2J56	Q	6C4W	E	CK507AX★	A	CK1012	N	CK5750	B	CK6101	B	RK6843	Q
RK2J66	Q	6C4WA	B	CK509AX★	A	CK1017	G	CK5751	B	CK6110	D	CK6872	D
RK2J67	Q	6J4	J	CK510AX	A	CK1018	F	CK5755	J	CK6111	D	9001	J
RK2J68	Q	6J5WGT	E	QK510	R	CK1019	F	CK5763	P	CK6112	D	9002	J
RK2J69	Q	6J6W	E	CK511AX★	A	CK1020	F	RK5777	R	RK6115	R	9003	J
RK2J70	Q	6N4★	J	CK512AX	A	CK1021	F	RK5778	R	RK6116	R	9005	J
RK2J71	Q	6SA7WGT	E	CK515BX★	A	CK1022	G	CK5783	G	RK6133	R	9006	J
2K22	R	6SJ7WGT	E	CK516AX★	A	CK1023	F	CK5783WA	G	CK6135	B		
2K25	R	6SN7WGT	E	CK518AX	A	CK1024	N	CK5783WB	G				

NOTE: Some tube types listed in this booklet are included for reference purposes only. They are not recommended for new equipment design. These types are indicated by ★ in the index.

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SUBMINIATURE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			TERM. CONN.	MAX. DIMENSIONS Inches			PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μ hos	OUTPUT milliwatts* or Voltage Gain (4)	LOAD RESIST. meg.	TYPE
			Volts	Ma.	Type		Length	Width	Thick-ness												
1AD4¹	Pentode	R-F Amplifier	1.25	100	Fil	5A	1.5	.385	.285	45	Rg = 2 meg	45		3.0	0.9		0.5	2000			1AD4¹
1AE5	Heptode	Mixer	1.25	60	Fil	6A	1.5	.385	.285	45	Rg = 0.2 meg	45	0	0.9	2		0.2	200 ³			1AE5
1AG4	Pentode	Power Amp.	1.25	40	Fil	5J	1.50	.385	.285	41.4	-3.6	41.4		2.4	0.6		0.18	1000	35	0.012	1AG4
1AG5	Diode-Pent.	Det.-Amplifier	1.25	30	Fil	6B	1.5	.385	.285	45	-2	45		0.28	0.12		2.5	250			1AG5
1AH4¹	Pentode	R-F Amplifier	1.25	40	Fil	5A	1.50	.385	.285	45	Rg = 5 meg	45		0.75	0.2		1.5	750			1AH4¹
2E31¹ 2E32¹⁻²	Pentode	R-F Amplifier	1.25	50	Fil	5A	1.5	.400	.285	22.5	Rg = 5.0 meg	22.5		0.4	0.3		0.35	500			2E31¹ 2E32¹⁻²
2E35 2E36²	Pentode	Power Amp.	1.25	30	Fil	5B	1.5	.400	.285	45	-1.25	45		0.45	0.11		0.25	500	6	0.1	2E35 2E36²
2G21 2G22²	Triode-Hept.	Converter	1.25	50	Fil	7B	1 1/16	.400	.285	22.5	Rg = 0.05 meg	22.5	0	0.2	0.3		0.5	60 ³	Eb Triode = 22.5 1b Triode = 1 ma		2G21 2G22²
CK501AX	Pentode	Voltage Amp.	1.25	30	Fil	5J	1.5	.385	.285	30	Rg = 5 meg	30	Rg = 5 meg	Ra 2 = 3 meg					45 ⁴	1	CK501AX
CK505AX	Pentode	Voltage-Amp.	0.625	30	Fil	5J	1.5	.385	.285	22.5	-0.625	22.5	Rg = 5 meg	Rg 2 = 3 meg.					38 ⁴	1	CK505AX
CK507AX	Pentode	Power Amp.	1.25	45	Fil	5J	1.5	.385	.285	45	-2	45		0.9	0.3		0.3	575	11	0.05	CK507AX
CK509AX	Triode	Voltage Amp.	0.625	30	Fil	4B	1.25	.385	.285	45	0			0.15			0.15	160	16 ⁴		CK509AX
CK510AX	Dble.Tetr.	Voltage Amp.	0.625	50	Fil	7D	1.25	.400	.285	30	Rg = 5 meg		Rg = 5 meg	Coupled to 5 meg load Rg 2 = 0.2 meg					150 ⁵	2	CK510AX
CK511X	Pentode	Voltage Amp.	1.25	50	Fil	6C	1.75	Dia. 0.550		45	Rg = 10 meg	45	Rg = 10 meg	Coupled to 10 meg load Rg 2 = 3.3 meg					30 ⁴	1.0	CK511X
CK512AX	Pentode	Voltage Amp.	0.625	20	Fil	5J	1.25	.385	.285	22.5	Rg = 5 meg	22.5	Rg = 5 meg	Coupled to 5 meg load Rg 2 = 2.7 meg					37 ⁴	1	CK512AX
CK515BX	Triode	Voltage Amp.	0.625	30	Fil	4B	1.19	Dia. = .315		45	0			0.15		24		160	16 ⁴	1.0	CK515BX
CK516AX	Triode	Voltage Amp.	0.625	20	Fil	5M	1.25	.385	.285	10	-1.2	10							3.5	0.04	CK516AX
CK518AX¹	Pentode	Power Amp.	1.25	30	Fil	5D	1.5	.385	.285	45	-2	45		0.8	0.250		0.35	550	9.5	0.05	CK518AX¹
CK520AX	Pentode	Power Amp.	0.625	50	Fil	5J	1.25	.385	.285	45	-2.5	45		0.24	0.075		1.0	150	3.5	0.15	CK520AX
CK521AX	Pentode	Power Amp.	1.25	50	Fil	5J	1.5	.385	.285	22.5	-3.0	22.5		0.6	0.175			400	3.5	0.04	CK521AX
CK523AX	Pentode	Power Amp.	1.25	30	Fil	5J	1.5	.385	.285	22.5	-1.2	22.5		0.3	0.075		0.3	360	2.5	0.075	CK523AX
CK524AX	Pentode	Power Amp.	1.25	30	Fil	5J	1.5	.385	.285	15	-1.75	15		0.45	0.125		0.2	300	2.2	0.03	CK524AX
CK525AX	Pentode	Power Amp.	1.25	20	Fil	5J	1.5	.385	.285	22.5	-1.2	22.5		0.25	0.06		0.33	325	2.2	0.06	CK525AX
CK526AX	Pentode	Power Amp.	1.25	20	Fil	5J	1.5	.385	.285	22.5	-1.5	22.5		0.525	0.135		0.22	425	3.75	0.05	CK526AX
CK527AX	Pentode	Power Amp.	1.25	15	Fil	5J	1.5	.385	.285	22.5	Rg = 5 meg	22.5		0.1	0.025		1.8	225	0.75	0.3	CK527AX
CK528AX¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.5	.385	.285	45	-1.25	45		0.675	0.150		0.7	560	10.5	0.2	CK528AX¹
CK529AX¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.5	.385	.285	15	-1.25	15		0.32	0.075		0.3	350	1.6	0.05	CK529AX¹
CK531DX	Pentode	Power Amp.	1.25	20	Fil	5J	1.25	.290	.235	15	-1.5	15		0.3	0.090		0.25	250	1.67	0.06	CK531DX
CK532DX	Pentode	Power Amp.	1.25	15	Fil	5J	1.25	.290	.235	22.5	Rg = 10 meg	22.5		0.4	0.125		0.18	450	1.7	0.1	CK532DX
CK533AX	Pentode	Power Amp.	1.25	15	Fil	5J	1.5	.385	.285	22.5	Rg = 5 meg	22.5		0.36	0.090		0.5	400	1.8	0.075	CK533AX
CK534AX	Pentode	Voltage Amp.	0.625	15	Fil	5J	1.25	.385	.285	15	-0.625	15	Coupled to 5 meg load Rg = 5 meg	Rg 2 = 1.5 meg					24 ⁴	1	CK534AX
CK535AX	Pentode	Power Amp.	1.25	20	Fil	5J	1.5	.385	.285	15	-1.25	15		0.32	0.075		0.3	350	1.6	0.05	CK535AX

¹ Fully shielded by metallic coating.

² Leads are 0.016" diameter and 0.200" long.

See pages 20-21-22 for basing diagrams and terminal connections.

This data compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



SUBMINIATURE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			TERM. CONN.	MAX. DIMENSIONS Inches			PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μ mhos	OUTPUT milliwatts or Voltage Gain (4)	LOAD RESIST. meg.	TYPE		
			Volts	Ma.	Type		Length	Width	Thick-ness														
CK536AX ¹	Pentode	Power Amp.	1.25	15	Fil	5E	1.5	.385	.285	22.5	Rg = 5 meg	22.5		0.36	0.090		0.5	400	1.8	0.075	CK536AX ¹		
CK537AX ¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.5	.385	.285	22.5	—1.5	22.5		0.525	0.135		0.22	425	3.75	0.05	CK537AX ¹		
CK538DX	Pentode	Voltage Amp.	0.625	15	Fil	5J	1.0	.290	.235	15	—0.625	15	Rg = 10 meg	Coupled to 10 meg load Rg 2 = 3.3 meg				28 ⁴	2.2	CK538DX			
CK539DX	Pentode	Power Amp.	1.25	15	Fil	5J	1.25	.290	.235	22.5	—1.4	22.5		0.25	0.075		0.25	300	2.2	0.1	CK539DX		
CK541DX	Pentode	Power Amp.	1.25	15	Fil	5J	1.25	.290	.235	30	Rg = 10 meg	30		0.25	0.075		0.5	425	1.4	0.2	CK541DX		
CK542DX	Pentode	Power Amp.	1.25	15	Fil	5J	1.25	.290	.235	22.5	—2.0	22.5		0.425	0.13		0.15	325	3.75	0.05	CK542DX		
CK542DXS ¹	Pentode	Power Amp.	1.25	15	Fil	5E	1.25	.290	.235	22.5	—2.0	12.5		0.425	0.13		0.15	325	3.75	0.05	CK542DXS ¹		
CK543DX	Pentode	Voltage Amp.	0.625	15	Fil	5J	1.0	.290	.235	15	—0.625	15	Rg = 10 meg	Coupled to 10 meg load Rg 2 = 3.3 meg				20 ⁴	2.2	CK543DX			
CK544DX	Pentode	Power Amp.	1.25	10	Fil	5J	1.25	.290	.235	30	Rg = 10 meg	30		0.120	0.035		1.2	325	0.52	0.2	CK544DX		
CK545DX	Pentode	Voltage Amp.	0.625	7.5	Fil	5J	1.0	.290	.235	15	—0.625	15	Rg = 10 meg.	Rg 2 = 3.3 meg				25 ⁴	2.2	CK545DX			
CK547DX	Pentode	Power Amp.	1.25	10	Fil	5J	1.25	.290	.235	30	Rg = 10 meg	30		0.240	0.06		0.75	425	1.35	0.2	CK547DX		
CK1034	Gas Diode	GM Counter			Cold	3A	2 $\frac{3}{8}$	Dia. = .400	See Radiation Counter Tube Section for Characteristics													CK1034	
CK1035	Gas Diode	GM Counter			Cold	3A	1.5	.385	.285	See Radiation Counter Tube Section for Characteristics													CK1035
CK1044	Gas Diode	GM Counter			Cold	3A	1.625	Dia. = .400	See Radiation Counter Tube Section for Characteristics													CK1044	
CK5639 ⁷	Pentode	Video Amplifier	6.3	450	Htr.	8DL	1.75	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK5639 ⁷	
CK5672	Pentode	Power Amp.	1.25	50	Fil	5F	1.5	.385	.285	67.5	—6.5	67.5		3.25	.95			650	65	0.02	CK5672		
CK5676	Triode	UHF Osc.	1.25	120	Fil	4A	1.5	.385	.285	135	—5			4.0		15		1600			CK5676		
CK5677	Triode	UHF Osc.	1.25	60	Fil	4A	1.5	.385	.285	135	—5.5			1.9		16		850			CK5677		
CK5678 ¹	Pentode	R-F Amplifier	1.25	50	Fil	5A	1.5	.385	.285	67.5	5 meg	67.5		1.8	0.48		1.0	1100			CK5678 ¹		
CK5697	Triode	Electrometer	0.625	20	Fil	4C	1.25	.400	.285	12	—3			0.22		2.1		135	Max. Ic ¹ = 5x10 ⁻¹³ amp.		CK5697		
CK5702	Pentode	R-F Amplifier	6.3	200	Htr	7A	1.5	Dia. = .400	120	Rk200	120		7.5	2.5		0.34	5000				CK5702		
CK5702WA	Pentode	R-F Amplifier	6.3	200	Htr	7A	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK5702WA	
CK5703	Triode	UHF Osc.	6.3	200	Htr	5G	1.5	Dia. = .400	120	Rk220			9			25		5000			CK5703		
CK5703WA	Triode	UHF Osc.	6.3	200	Htr	5G	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK5703WA	
CK5704	Diode	Detector	6.3	150	Htr	4D	1.5	Dia. = .315	Max. RMS Plate Voltage = 150v; Max. Io = 9 madc													CK5704	
CK5744	Triode	Amp.-HF Osc.	6.3	200	Htr	5H	1.5	Dia. = .400	250	Rk500			4			70		4000			CK5744		
CK5744WA	Triode	Amp.-HF Osc.	6.3	200	Htr	5H	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK5744WA	
CK5783	Gas Diode	Volt. Reference			Cold	3A	1.5	Dia. = .400	See Voltage Reference Tube Section for Characteristics													CK5783	
CK5783WA CK5783WB	Gas Diode	Volt. Reference			Cold	3A	1.5	Dia. = .400	See Voltage Reference Tube Section for Characteristics													CK5783WA CK5783WB	
CK5784	Pentode	Mixer-Gated Amp.	6.3	200	Htr	7A	1.5	Dia. = .400	120	—2	120	0	5.2	3.5				3200			CK5784		
CK5784WA	Pentode	Mixer-Gated Amp.	6.3	200	Htr	7A	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK5784WA	
CK5785	Diode	HW Rectifier	1.25	15	Fil	7F	1.5	.400	.300	See Rectifier Tube Section for Characteristics													CK5785
CK5787	Gas Diode	Volt. Regulator			Cold	3A	2 $\frac{1}{16}$	Dia. = .400	See Voltage Regulator Tube Section for Characteristics													CK5787	
CK5787WA CK5787WB	Gas Diode	Volt. Regulator			Cold	3A	2 $\frac{1}{16}$	Dia. = .400	See Voltage Regulator Tube Section for Characteristics													CK5787WA CK5787WB	

¹ Fully shielded by metallic coating.

⁷ This type has an 8-lead subminiature button base.

See pages 20-21-22 for basing diagrams and terminal connections.

This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



SUBMINIATURE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			TERM. CONN.	MAX. DIMENSIONS Inches			PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μ hos	OUTPUT milliwatts or Voltage Gain (4)	LOAD RESIST. meg.	TYPE			
			Volts	Ma.	Type		Length	Width	Thick-ness															
CK5829	Dble.Diode	Detector	6.3	150	Htr	7FA	1.5	.410	.285	Max. Inverse Peak Voltage = 330v; Max. Io = 5 ma. per plate														CK5829
CK5829WA	Dble. Diode	Detector	6.3	150	Htr	7FA	1.5	.410	.285	See Reliable Cathode Type Subminiature Section for Characteristics														CK5829WA
CK5851 ⁷	Beam Pent.	R-F Pwr.Amp	1.25 2.5	110 55	Fil	8CA	1.6	Dia. = .400	125	—7.5	125		5.5	0.9		0.175	1600			CK5851 ⁷				
CK5854	Pentode	Power Amp.	1.25	30	Fil	5B	1.5	.385	.285	45	—2.0	45		0.8	0.25		0.35	550	9.5	0.05	CK5854			
CK5873 ⁷	Dble. Triode	Voltage Amp.	6.3	300	Htr	8K	1.5	Dia. = .400	150	—3.0			9.0		22		2900	(Each Unit)		CK5873 ⁷				
CK5875 ¹	Pentode	Radiosonde	1.25	100	Fil	5A	1.5	.385	.285	90	0	90		3.5	0.9		2500			CK5875 ¹				
CK5884	Dble. Tetr.	Electrometer	1.25	10	Fil	5K	1.625	.385	.285	20	$E_{c1}/I_{c1} = 0.10$ ma		—5		0.10		1.05	25	Max. $I_{c1} = 2 \times 10^{-13}$ amp.	0.10	CK5884			
CK5885 ⁷	Dble. Tetr.	Electrometer	1.25	20	Fil	8CC	1.50	Dia. = .400	13.5	—3.0	Triode Conn.		0.185		2.4		160	Nom. $I_{c1} = 1 \times 10^{-12}$		CK5885 ⁷				
CK5886	Pentode	Electrometer	1.25	10	Fil	5C	1.5	.400	.285	10.5	—3.0	Triode Conn.		0.2		1.8		160	Max. $I_{c1} = 2.5 \times 10^{-13}$ amp.		CK5886			
CK5889	Pentode	Electrometer	1.25	7.5	Fil	4G	1.6	Dia. = .400	12	—2.0	4.5		0.005	0.005		18	14	Max. $I_{c1} = 3 \times 10^{-15}$ amp.		CK5889				
CK5967 ⁷	Dble. Triode	R-F Amplifier	1.25	120	Fil	8CK	1.62	Dia. = .400	45	$R_g = 5$ meg.			3.0		17		175	(Each Unit)		CK5967 ⁷				
CK5968 ⁷	Dble. Triode	Mixer	1.25	120	Fil	8CK	1.62	Dia. = .400	45	0			0.7		45		1300	(Each Unit)		CK5968 ⁷				
CK5969 ⁷	Dble. Tetr.	R-F Pwr.Amp.	1.25	200	Fil	8CB	1.625	Dia. = .400	135	—3	45		6.0	0.5			1700	(Each Unit)		CK5969 ⁷				
CK5970 ⁷	Dble. Pent.	R-F Amplifier	1.25	160	Fil	8CD	1.62	Dia. = .400	45	$R_g = 5$ meg.		45	3.0	0.9		0.17	1850	(Each Unit)		CK5970 ⁷				
CK5971	Triode	Amp-Osc.	1.25	80	Fil	5R	1.5	.385	.285	67.5	$R_g = 5$ meg			3.5		23		2100		CK5971				
CK5972 ¹	Pentode	R-F Amplifier	1.25	60	Fil	5A	1.5	.385	.285	67.5	$R_g = 2$ meg		67.5	2.5	0.8		1.0	1300		CK5972 ¹				
CK5975	Triode	Amp.-Osc.	6.3	175	Htr	7BB	1.5	Dia. = .400	100	Rk270			10		17.5		5100			CK5975				
CK5995	Diode	HW Rectifier	6.3	300	Htr	7BA	1.75	Dia. = .400	See Rectifier Tube Section for Characteristics													CK5995		
CK6021 ⁷	Dble. Triode	Voltage Amp.	6.3	300	Htr	8CF	1 3/8	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6021 ⁷		
CK6029	Triode	UHF Osc.	1.25	200	Fil	4A	1.5	.385	.285	90	—4			11		8.5		2000		CK6029				
CK6050	Triode	UHF Osc.	1.25	120	Fil	4A	1.5	.385	.285	135	—5			4.0		15		1600		CK6050				
CK6051	Pentode	Power Amp.	1.25	100	Fil	5L	1.5	.385	.285	45	—4	45		3.0	0.9		0.035	1200	50	0.02	CK6051			
CK6088	Pentode	Power Amp.	1.25	20	Fil	5J	1.5	.385	.285	45	—1.25	45		0.675	0.150		0.7	560	10.5	0.2	CK6088			
CK6092	Pentode	Power Amp.	1.25	50	Fil	5J	1.5	.385	.285	45	—4.5	45		1.4	0.4			600	25	0.03	CK6092			
CK6110 ⁷	Dble. Diode	Detector	6.3	150	Htr	8CH	1 3/8	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6110 ⁷		
CK6111 ⁷	Dble. Triode	Voltage Amp.	6.3	300	Htr	8CF	1 3/8	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6111 ⁷		
CK6112 ⁷	Dble. Triode	Voltage Amp.	6.3	300	Htr	8CF	1 3/8	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6112 ⁷		
CK6147 ⁶⁻⁷	Beam Pentode	R-F Pwr Amp Dblr	1.25 2.5	125 62.5	Fil	8CA	1.6	Dia. = .400	125	—7.5	125		5.5	0.9		0.175	1600			CK6147 ⁶⁻⁷				
CK6152	Triode	Amp.-Osc.	6.3	200	Htr	7BB	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6152		
CK6213	Gas Diode	Voltage Ref.			Cold	3A	1 3/8	Dia. = .400	See Voltage Reference Tube Section for Characteristics													CK6213		
CK6245	Pentode	UHF Amplifier	6.3	200	Htr	7A	1.50	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6245		
CK6247 ⁷	Triode	Low μ ph Amplifier	6.3	200	Htr	8XC	1 3/8	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics													CK6247 ⁷		
CK6281 ¹	Pentode	R-F Amplifier	0.625	20	Fil	5E	1.25	.385	.285	22.5	$R_g = 5$ meg		22.5	$R_g = 5$ meg		$R_g 2 = 2.7$ meg			37 ⁴	1	CK6281 ¹			

¹ Fully shielded by metallic coating.

⁶ Filament center-tap provided for 1.25 or 2.5 volt operation. Type is designed for intermittent service operation.

⁷ This type has an 8-lead subminiature button base.

See pages 1-22 for basing diagrams and terminal connections.

This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



SUBMINIATURE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			TERM. CONN.	MAX. DIMENSIONS Inches			PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μ hos	OUTPUT milliwatts or Voltage Gain (4)	LOAD RESIST. meg.	TYPE				
			Volts	Ma.	Type		Length	Width	Thick-ness																
CK6286	Triode	Osc.-Amp.	1.25	125	Fil	4A	1.5	.385	.285	67.5	—2			6.0		11.5		2100			CK6286				
CK6397 ⁶⁻⁷	Beam Pent.	R-F Pwr Amp Dblr	1.25 2.5	125 62.5	Fil	8CA	1.60	Dia. = .400		125	—7.5	125		7.25	1.2			1950			CK6397 ⁶⁻⁷				
CK6418	Pentode	Power Amp.	1.25	10	Fil	5L	1.25	.290	.235	22.5	—1.2	22.5	—	0.24	0.06	—	0.42	300	2.2	0.1	CK6418				
CK6419	Pentode	Voltage Amp.	0.625	10	Fil	5L	1.0	.290	.235	15	—0.625	15	Rg = 10 meg			Coupled to 10 meg load Rg 2 = 3.3 meg				27 ⁴	2.2	CK6419			
CK6436	Gas Diode	H W Rectifier			Cold	5P	1 $\frac{13}{16}$	Dia. = .400	See Rectifier Tube Section for Characteristics																CK6436
CK6437	Gas Diode	Volt. Regulator			Cold	3A	1 $\frac{5}{8}$	Dia. = .400	See Voltage Regulator Section for Characteristics																CK6437
CK6438	Gas Diode	Volt. Regulator			Cold	3A	1 $\frac{5}{8}$	Dia. = .400	See Voltage Regulator Section for Characteristics																CK6438
CK6519	Pentode	Power Amp.	1.25	10	Fil	5J	1.25	.290	.235	22.5	Rg = 10 meg	22.5		.375	0.40	0.10	0.3	425	450	1.5	CK6519				
CK6526	Pentode	Power Amp	1.25	125	Fil	5L	1.5	.385	.285	110	—6	110		6.5	1.15			1900	375	0.01	CK6526				
CK6533 ⁷	Triode	Low μ ph Amp.	6.3	200	Htr	8XE	1 $\frac{3}{8}$	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics																CK6533 ⁷
CK6540	Special CK5702WA	R-F Amplifier	6.3	200	Htr	7A	1.5	Dia. = .400	See Reliable Cathode Type Subminiature Section for Characteristics																CK6540
CK6542	Gas Diode	Volt. Regulator			Cold	3A	2.50	Dia. = .400	See Voltage Regulator Section for Characteristics																CK6542
CK6611	Pentode	R-F Amplifier	1.25	20	Fil	5A	1.5	.385	.285	30	Rg = 5 meg	30		1.0	.350		0.4	1000			CK6611				
CK6612	Pentode	R-F Amplifier	1.25	80	Fil	5A	1.5	.385	.285	30	Rg = 2 meg	30		3.0	1.0		0.18	3000			CK6612				
CK6659	Gas Diode	H W Rectifier			Cold	5N	2 $\frac{1}{8}$	Dia. = .400	See Rectifier Tube Section for Characteristics																CK6659
CK6832 ²	Dble. Triode	D-C Amplifier	6.3	400	Htr	8CF	1.50	Dia. = .400	See Reliable Cathode Section for Characteristics																CK6832 ²
CK6872	Pentode	R-F Amplifier	6.3	200	Htr	7A	1.50	Dia. = .400	See Reliable Cathode Section for Characteristics																CK6872

¹ Fully shielded by metallic coating.

² Leads are 0.016" diameter and 0.200" long.

³ Conversion Conductance.

⁴ Voltage Gain (times.)

⁵ Space-Charge tube, value given is cascade gain.

⁶ Filament center-tap provided for 1.25 or 2.5 volt operation. Type is designed for intermittent service operation.

⁷ This type has an 8-lead subminiature button base.

See pages 20-21-22 for basing diagrams and terminal connections.

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RELIABLE CATHODE TYPE SUBMINIATURE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HEATER		TERM. CONN.	MAX. DIMENSIONS		PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP FACT	PLATE RESIST. meg.	MUT. COND. umhos	TYPE
			Volts	Amps.		Height	Diam.										
CK5639 ⁷	Pentode	Video Amplifier	6.3	0.45	8DL	1 3/4	.400	150	Rk100	100	0	21.0	4.0		0.05	9000	CK5639 ⁷
CK5643 ⁷	Gas Tetrode	Control Circuits	6.3	0.15	8DD	1 3/8	.400	See Thyatron Tube Section for Characteristics									CK5643 ⁷
CK5702WA	Pentode	RF Amplifier	6.3	0.2	7A	1.5	.400	120	Rk200	120	0	7.5	2.6		0.34	5000	CK5702WA
CK5703WA	Triode	UHF Osc.	6.3	0.2	5G	1.5	.400	120	Rk220			9.4		25.5		5000	CK5703WA
CK5744WA	Triode	Amp.-HF Osc.	6.3	0.2	5H	1.5	.400	250	Rk500			4.2		70		4000	CK5744WA
CK5783WA CK5783WB	Gas Diode	Volt. Reference	Cold		3A	1.5	.400	See Voltage Reference Tube Section for Characteristics									CK5783WA CK5783WB
CK5784WA	Pentode	Mixer-Gated Amp.	6.3	0.2	7A	1.5	.400	120	-2	120	0	5.2	3.5			3200	CK5784WA
CK5787WA CK5787WB	Gas Diode	Volt. Regulator	Cold		3A	2 1/16	.400	See Voltage Regulator Tube Section for Characteristics									CK5787WA CK5787WB
CK5829WA	Dble. Diode	Detector	6.3	0.15	7FA	1.5	W = .410 Th = .285	Max. Inverse Peak Voltage = 330 v; Max. I _o = 5 ma. per plate									CK5829WA
CK6021 ⁷	Dble. Triode	Voltage Amp.	6.3	0.3	8CF	1 3/8	.400	100	Rk150			6.5		35		5400 (Each Unit)	CK6021 ⁷
CK6110 ⁷	Dble. Diode	Detector	6.3	0.15	8CH	1 3/8	.400	Max. Inverse Peak Voltage = 420 v; Max. I _o = 4 ma. per plate									CK6110 ⁷
CK6111 ⁷	Dble. Triode	Voltage Amp.	6.3	0.3	8CF	1 3/8	.400	100	Rk220			8.5		20		5000 (Each Unit)	CK6111 ⁷
CK6112 ⁷	Dble. Triode	Voltage Amp.	6.3	0.3	8CF	1 3/8	.400	100	Rk1500			0.8		70		1800 (Each Unit)	CK6112 ⁷
CK6152	Triode	Amp.-Osc.	6.3	0.20	7BB	1.5	.400	100	Rk270			10.0		17.5		5100	CK6152
CK6245	Pentode	UHF Amplifier	6.3	0.20	7A	1.5	.400	20	0	30	0	2.5		1.0		3275	CK6245
CK6247 ⁷	Triode	Low μ p Amplifier	6.3	0.20	8XC	1 3/8	.400	250	Rk500	Max. Noise Out. = 2.5 m Vac Acr. 10,000 ohms		4.2		60		2650	CK6247 ⁷
CK6533 ⁷	Triode	Low μ p Amplifier	6.3	0.20	8XE	1 3/8	.400	120	Rk1500	Max. Noise Out. = 1.0 m Vac Acr. 10,000 ohms		0.9		54		1750	CK6533 ⁷
CK6540	Special CK5702WA	R. F. Amplifier	6.3	0.20	7A	1.5	.400	120	Rk200	120	0	7.5	2.6		0.34	5000	CK6540
CK6542	Gas Diode	Volt. Regulator	Cold		3A	2 1/8	.400	See Voltage Regulator Section for Characteristics									CK6542
CK6832 ⁷	Dble. Triode	D-C Amplifier	6.3	0.40	8CF	1.5	.400	100	Rk3000			0.75		26	0.026	1000	CK6832 ⁷
CK6872	Pentode	R-F Amplifier	6.3	0.20	7A	1.5	.400	120	Rk200	120	0	7.75	2.7			4100	CK6872

This type has an 8-lead subminiature button base.

See pages 20-21-22 for basing diagrams and terminal connections.
This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



RUGGED TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			BASING	MAX. DIMENSIONS		PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μ mhos	TYPE	
			Volts	Amps	Type		Height	Diam.											
RK3B24W	Diode	HW Rectifier	2.5 5.0	3.0 3.0	Fil	8EA	4 $\frac{13}{16}$	1 $\frac{9}{16}$	See Rectifier Tube Section for Characteristics										RK3B24W
5R4WGY	Dble. Diode	FW Rectifier	5.0	2.0	Fil	8WB	5 $\frac{5}{16}$	2 $\frac{1}{16}$	See Rectifier Tube Section for Characteristics										5R4WGY
6AK5W	Pentode	RF Amplifier	6.3	0.175	Htr	7BD	1 $\frac{3}{4}$	$\frac{3}{4}$	120	—2	120		7.5	2.5		0.34	5000	6AK5W	
6AL5W	Dble. Diode	Detector	6.3	0.3	Htr	9M	1 $\frac{3}{4}$	$\frac{3}{4}$	Max. Peak Inverse = 330 v; Max. Io = 9 madc per plate										6AL5W
6AS6W	Pentode	Mixer-Gated Amp.	6.3	0.175	Htr	9P	1 $\frac{3}{4}$	$\frac{3}{4}$	120	—2	120	0	5.2	3.5			3200	6AS6W	
6C4W	Triode	Osc.-Amplifier	6.3	0.15	Htr	9U	1 $\frac{3}{4}$	$\frac{3}{4}$	250	—8.5			10.5		17		2200	6C4W	
6J5WGT	Triode	Voltage Amplifier	6.3	0.3	Htr	9R	3 $\frac{5}{16}$	1 $\frac{5}{16}$	250	—8			9.0		20		2600	6J5WGT	
6J6W	Dble. Triode	UHF Oscillator	6.3	0.45	Htr	7BF	2 $\frac{1}{8}$	$\frac{3}{4}$	100	Rk50			8.5		38		5300 (Each Unit)	6J6W	
6SA7WGT	Heptode	Converter	6.3	0.3	Htr	9V	3 $\frac{5}{16}$	1 $\frac{1}{4}$	250	Rg = 20000	100	—2	3.5	8.5		1.0	450 ³	6SA7WGT	
6SJ7WGT	Pentode	RF-AF Amplifier	6.3	0.3	Htr	9L	3 $\frac{5}{16}$	1 $\frac{5}{16}$	250	—3	100	0	3.0	0.8		> 1.0	1650	6SJ7WGT	
6SN7WGT	Dble. Triode	Voltage Amplifier	6.3	0.6	Htr	8BD	3 $\frac{5}{16}$	1 $\frac{9}{32}$	250	—8			9.0		20		2600 (Each Unit)	6SN7WGT	
6X4W	Dble. Diode	FW Rectifier	6.3	0.6	Htr	9Q	2 $\frac{5}{8}$	$\frac{3}{4}$	See Rectifier Tube Section for Characteristics										6X4W
6X5WGT	Dble. Diode	FW Rectifier	6.3	0.6	Htr	8XB	3 $\frac{5}{16}$	1 $\frac{9}{32}$	See Rectifier Tube Section for Characteristics										6X5WGT
12J5WGT	Triode	Voltage Amplifier	12.6	0.15	Htr	9R	3 $\frac{5}{16}$	1 $\frac{5}{16}$	250	—8			9.0		20		2600	12J5WGT	

³ Conversion Conductance

RADIATION COUNTER (GEIGER-MUELLER) TUBES

(All glass, self-quenching)

TYPE	MAX. DIMENSIONS Inches		TERMINAL CONN.	OPERATING VOLTAGE Volts DC	PLATEAU LENGTH (minimum) Volts DC	RELATIVE PLATEAU SLOPE (maximum) Per 100V	GEIGER THRESHOLD Volts DC max.	TYPICAL BACKGRND Unshielded counts/min.	AMBIENT TEMPERATURE RANGE °C	WALL HEIGHT Nominal mg./sq.cm.	EFFICIENCY %	LIFE counts	TYPE
	Length	Diam.											
1B90	8.25	0.81	8HA	Thres. +50	150	3%	1100	60	-40 to +50	35	90	10 ⁸	1B90
CK1018	8.25	0.81	8HA	925	150	3%	850	60	-40 to +55	35	90	10 ⁸	CK1018
CK1019	8.25	0.81	8HA	970	150	3%	880	60	-40 to +55	35	90	10 ⁸	CK1019
CK1020	6.0	0.75	9S	925	150	3%	850	60	-40 to +55	35	90	10 ⁸	CK1020
CK1021	5.25	0.66	9S	925	150	3%	850	60	-40 to +55	35	90	10 ⁸	CK1021
CK1023	5.0	0.75	5DA	925	150	3%	850	60	-40 to +55	35	90	10 ⁸	CK1023
CK1026	3.0	0.75	8HB	900	150	20%	760	60	-50 to +55	175		> 10 ¹⁰	CK1026
CK1029	5.25	0.66	9S	925	150	3%	850	60	-40 to +55	35	90	10 ⁸	CK1029
CK1032	3.0	0.75	8HB	1200	150	30%	1000	30	-50 to +70	175		10 ⁸	CK1032
CK1034	2.63	0.40	3A	700	Ib = 50 μ a at 500 Roentgens per hour				-55 to +70	Heavy		> 10 ¹⁰	CK1034
CK1035	1.50	W = 0.39 Th = 0.29	3A	700	Ib = 50 μ a at 500 Roentgens per hour				-55 to +70	Heavy		> 10 ¹⁰	CK1035
CK1044	1.63	0.40	3A	700	Ib = 50 μ a at 500 Roentgens per hour				-55 to +70	Heavy		> 10 ¹⁰	CK1044
CK1049	5.75	0.75	8HB	900	150	20%	760	150	-50 to +55	35		> 10 ¹⁰	CK1049

See pages 20-21-22 for basing diagrams and terminal connections.
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VOLTAGE REGULATOR-VOLTAGE REFERENCE TUBES



TYPE	TYPICAL APPLICATION	BASING	MAX. DIMENSIONS Inches		MIN. STARTING VOLTAGE SUPPLY IN LIGHT	OPERATING VOLTAGE Approx.	MIN. OPERATING CURRENT ma.	MAX. OPERATING CURRENT ma.	MAX. REGULATION Volts	TYPE
			Height	Diam.						
0A2	Voltage Regulator	7G	2 5/8	3/4	185	150	5	30	6	0A2
0A2WA	Voltage Regulator	7G	2 5/8	3/4	165	150	5	30	5	0A2WA
0A3 / VR75	Voltage Regulator	9T	4 1/8	1 9/16	105	75	5	40	6.5	0A3 / VR75
0B2	Voltage Regulator	7G	2 5/8	3/4	133	108	5	30	3.5	0B2
0B2WA	Voltage Regulator	7G	2 5/8	3/4	133	108	5	30	3.0	0B2WA
0B3 / VR90	Voltage Regulator	9T	4 1/8	1 9/16	130	90	5	30	6	0B3 / VR90
0C3 / VR105	Voltage Regulator	9T	4 1/8	1 9/16	133	105	5	40	4	0C3 / VR105
0D3 / VR150	Voltage Regulator	9T	4 1/8	1 9/16	185	150	5	40	5.5	0D3 / VR150
1B46	Voltage Regulator	9Z	1.66	0.63	225	82	1	2	3	1B46
1B47	Voltage Regulator	9Z	1.66	0.63	225	82	1	2	3	1B47
CK1017	Voltage Regulator	7H	2 11/16	3/4	800	700	0.005	0.055	15	CK1017
CK1022	Voltage Regulator	7H	2 11/16	3/4	1100	1000	0.005	0.055	20	CK1022
CK1038	Voltage Regulator	3A	1 5/8	0.400	930	900	0.005	0.055	15	CK1038
CK5651	Voltage Reference	7G	2 1/8	3/4	115	82-92	1.5	3.5	3	CK5651
CK5651WA	Voltage Reference	7G	2 1/8	3/4	115	82-88	1.5	3.5	2	CK5651WA
CK5783	Voltage Reference	3A	1 1/2	0.400	115	82-92	1.5	3.5	3	CK5783
CK5783WA	Voltage Reference	3A	1 1/2	0.400	115	83-89	1.5	3.5	3	CK5783WA
CK5783WB										CK5783WB
CK5787	Voltage Regulator	3A	2 1/16	0.400	145	95-103	5	25	5	CK5787
CK5787WA	Voltage Regulator	3A	2 1/16	0.400	141	95-103	5	25	3	CK5787WA
CK5787WB										CK5787WB
CK5962	Voltage Regulator	7H	2 11/16	3/4	750	700	0.002	0.055	15	CK5962
CK6073	Voltage Regulator	7G	2 5/8	3/4	185	150	5	30	6	CK6073
CK6074	Voltage Regulator	7G	2 5/8	3/4	133	108	5	30	4	CK6074
CK6213	Voltage Reference	3A	1 3/4	0.400	200	127-133	1	2.5	2	CK6213
CK6437	Voltage Regulator	3A	1 3/8	0.400	800	700	0.005	0.100	15	CK6437
CK6438	Voltage Regulator	3A	1 5/8	0.400	1400	1200	0.005	0.100	20	CK6438
CK6542	Voltage Regulator	3A	2 1/8	0.400	185	150	5	25	6	CK6542

THYRATRON TUBES

TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			BASING	MAX. DIMENSIONS		MAX. PEAK INVERSE ANODE VOLTS	PEAK STARTER-ANODE BREAKDOWN VOLTS	MAX. PEAK CATHODE CURRENT	MAX. AVERAGE CATHODE CURRENT	TYPE
			Volts	Amps	Type		Height	Diam.					
0A4G	Gas Triode	Relay Service			Cold	8CT	4 1/8	1 9/16	225	+75 to +90	100 ma.	25 ma.	0A4G
2C33 / RX233A	Gas Triode	Trigger Service	2.5	2.5	Fil.	8A	4 5/16	1 17/64	1500		1.5 amp.	25 ma.	2C33 / RX233A
2D21	Gas Tetrode	Relay Service	6.3	0.6	Htr.	7BN	2 1/8	3/4	1300		0.5 amp.	0.1 amp.	2D21
4C35	Gas Triode	Pulsing or Switching Service	6.3	6.1	Fil.		7	2 9/16	2500		90 amp.	100 ma.	4C35
RK61	Gas Triode	Model Aircraft Control	1.4	0.05	Fil.	4E	1 13/16	0.55	Special Circuit—Write for Data				RK61
RX884	Gas Triode	Sweep Oscillator	6.3	0.6	Htr.	8H	4 1/8	1 9/16	350		300 ma.	75 ma.	RX884
RX885	Gas Triode	Sweep Oscillator	2.5	1.5	Htr.	8F	4 3/16	1 9/16	350		300 ma.	75 ma.	RX885
CK1089	Gas Tetrode	Relay or Indicator Service			Cold	4F	2	3/4		75	20 ma.	15 ma.	CK1089
2050	Gas Tetrode	Relay Service	6.3	0.6	Htr.	8J	4 1/8	1 9/16	1300		1 amp.	100 ma.	2050
2051	Gas Tetrode	Relay Service	6.3	0.6	Htr.	8J	4 1/8	1 9/16	700		375 ma.	75 ma.	2051

See pages 20-21-22 for basing diagrams and terminal connections.
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SPECIAL PURPOSE TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HTR or FILAMENT			BAS- ING	MAX. DIMENSIONS Inches		PLATE VOLTS	GRID 1 VOLTS	GRID 2 VOLTS	GRID 3 VOLTS	PLATE CURR. ma.	GRID 2 CURR. ma.	AMP. FACT.	PLATE RESIST. meg.	MUT. COND. μmhos	OUT- PUT watts	LOAD RESIST. ohms	TYPE
			Volts	Amps.	Type		Height	Diam.												
1AE4	Pentode	R-F Amplifier	1.25	0.1	Fil	8YA	2 1/8	3/4	90	0	90		3.5	1.2		0.5	1550			1AE4
2C50	Dble. Triode	Power Amplifier	12.6	0.3	Htr	88D	3 3/16	1 1/16	200	-11			18.0		10		2900	(Each Unit)		2C50
2C52	Dble. Triode	Voltage Amp.	12.6	0.3	Htr	88D	3 3/16	1 1/16	250	-2			1.3		90		1600	(Each Unit)		2C52
3A4	Pentode	RF-AF Pwr. Amp.	1.4 2.8	0.2 0.1	Fil	7BX	2 1/8	3/4	150	-8.4	90		13.3	2.2		0.1	1900	0.7	8000	3A4
3A5	Dble. Triode	AF-RF Amp. Osc.	2.8 1.4	0.11 0.22	Fil	7BW	2 1/8	3/4	90	-2.5			3.7		15		1800	(Each Unit)		3A5
3B4	Beam Pentode	RF Amp. Osc.	2.5	0.165	Fil	7BU	2 1/8	3/4	90	Rg = 45K	90		15	4.8	(IC ₁ = 0.55 ma)			0.8 (at 100 Mc)		3B4
6AJ5	Pentode	RF-AF Amplifier	6.3	0.175	Htr	7BD	1 3/4	3/4	28	Rk200	28		3	1.2		0.090	2750			6AJ5
6AN5	Pentode	RF-AF Pwr. Amp.	6.3	0.45	Htr	7BD	2 1/8	3/4	120	Rk120	120		35	12		0.0125	8000	1.3	2500	6AN5
6AR6	Pentode	Power Amp.	6.3	1.2	Htr	9Y	3 13/32	1 7/16	250	-22.5	250		75	5.0		0.021	5400			6AR6
6AS6	Pentode	Mixer-Gated Amp.	6.3	0.175	Htr	9P	1 3/4	3/4	120	-2	120	0	5.2	3.5			3200			6AS6
6AS7G	Dble. Triode	DC Amplifier	6.3	2.5	Htr	88D	5 1/16	2 1/16	135	Rk250			125		2.1		7500			6AS7G
6J4	Triode	UHF Amplifier	6.3	0.4	Htr	7BT	2 1/8	3/4	150	Rk100			15.0		55		12000			6J4
6N4	Triode	HF Oscillator	6.3	0.2	Htr	7CA	1 3/4	3/4	180	-3.5			12		32		6000			6N4
7AK7	Pentode	Mixer-Gated Amp.	6.3	0.8	Htr	8V	3 3/32	1 3/16	150	0	90	0	40	21		0.0115	6500			7AK7
CK108	Pentode	R-F Amplifier	6.3	0.3	Htr	6F	4 17/32	1 9/16	250	-3	100		2.3	0.5		1.5	1250			CK108
CK118	Thermal Relay	Overload Protect.				8S	2 7/8	1.275	Operating volt. = 6.9 ± 0.2v; Release volt = 2.0 to 3.5 volts. Write for data											CK118
310A	Pentode	RF-AF Amplifier	10.0	0.315	Htr	6F	4 19/32	1 9/16	135	-3	135		5.6	1.5		0.75	1875			310A
954	Pentode	UHF Amplifier	6.3	0.15	Htr	8B	1 7/8	1 3/32	250	-3	100		2	0.7		> 1	1400			954
955	Triode	UHF Oscillator	6.3	0.15	Htr	8D	1 3/8	1 3/32	250	-7			6.3		25		2200			955
956	Pentode	UHF Amplifier	6.3	0.15	Htr	8B	1 7/8	1 3/32	250	-3	100		6.7	2.7		0.7	1800			956
957	Triode	UHF Oscillator	1.25	0.05	Fil	8C	1 7/8	1 3/32	135	-5			2		13.5		650			957
CK1030	Spark Gap	Overvolt. Protect.				None	1 3/16	5/8	Breakdown Voltage = 1500 to 2000 volts; Min. External Imped. = 5000 ohms.											CK1030
CK1031	Spark Gap	Overvolt. Protect.				None	1 3/16	5/8	Breakdown Voltage = 3000 to 3500 volts; Min. External Imped. = 10,000 ohms.											CK1031
CK1033	Spark Gap	Overvolt. Protect.				None	1 3/16	5/8	Breakdown Voltage = 4200 to 4600 volts; Min. External Imped. = 10,000 ohms.											CK1033
CK5608	Dble. Triode	Control Equip.	2.5	2	Htr	7J	4 11/16	1 13/16	300	-6			6		32		2450			CK5608
CK5608A	Dble. Triode	Control Equip.	2.5	2	Htr	8EG	4 11/16	1 13/16	Same characteristics as CK5608. Heaters are connected in series internally											CK5608A
CK5656	Dble. Tetrode	R-F Power Amp.	6.3	0.4	Htr	9K	2 3/16	7/8	150	-2	120		15	2.7		0.06	5800	(Each Unit)		CK5656
CK5687	Dble. Triode	Voltage Amp.	6.3 12.6	0.90 0.45	Htr	9C	2 3/16	7/8	250 120	-12.5 -2			12.5 36		16.5 18.5		5500 11000	(Each Unit)		CK5687
CK5694	Dble. Triode	Power Amplifier	6.3	0.8	Htr	8CS	4 3/8	1 13/16	294	-6			7		35		3200	(Each Unit)		CK5694
CK5755	Dble. Triode	DC Amplifier	6.3 12.6	0.36 0.18	Htr	9A	2 3/16	7/8	110	-0.95			0.15		70		500	(Each Unit)		CK5755
CK5879	Pentode	Low μph Amplifier	6.3	0.15	Htr	9B	2 3/16	7/8	250	-3	100		1.8	0.4	21 (Triode)	0.14	1000			CK5879
CK5881	Pentode	Power Amplifier	6.3	0.90	Htr	7S	3 13/32	1 7/16	250	-14	250		75.0	4.3		0.30	6100	6.7	2500	CK5881
CK5910	Pentode	Radiosonde	1.4	0.05	Fil	8YA	2 1/8	3/4	90	0	90		1.6	0.45		1.5	900			CK5910
RK6080	Dble. Triode		6.3	2.5	Htr	88D	4 1/16	1 23/32	135				125		2	0.28	7000			RK6080
CK6485	Pentode	R-F Amplifier	6.3	0.45	Htr	9X	2 1/8	3/4	300	Rk160	150	0	10.0	2.5			9000			CK6485
9001	Pentode	UHF Amplifier	6.3	0.15	Htr	7BD	1 3/4	3/4	250	-3	100		2	0.7		> 1	1400			9001
9002	Triode	UHF Oscillator	6.3	0.15	Htr	7BS	1 13/16	3/4	250	-7			6.3		25		2200			9002
9003	Pentode	UHF Amplifier	6.3	0.15	Htr	7BD	1 3/4	3/4	250	-3	100		6.7	2.7		0.7	1800			9003
9005	Diode	Detector	3.6	0.165	Htr	8DA	1 3/8	7/8	Max. Plate Voltage (RMS) = 117v; Max. I _o = 1.0 ma.											9005
9006	Dble. Diode	Detector	6.3	0.15	Htr	7BV	1 3/4	3/4	Max. Peak Inverse = 750 v; Max. I _o = 5 ma.											9006

See pages 22 for basing diagrams and terminal connections.
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PENCIL TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	HEATER		BASING	MAXIMUM DIMENSIONS (Inches)		CLASS A CHARACTERISTICS								RF RATINGS						TYPE
								MAXIMUM RATINGS								MAXIMUM RATINGS-OSC				Oscillator Power output		
			Plate Volts	Plate Cur. (μa)		Plate Diss. watts	Plate Volts	Plate Curr. (ma.)	Cathode Resistor (ohms)	Mutual Cond. μmhos						Ampl. Factor	Plate Volts	Plate Current (ma.)	Plate Diss. (watts)		Freq. (mc.)	
CK5675	Triode	RF Oscillator Amplifier	6.3	0.135	8HC	2.04	0.82	165	31	5.0*	135	24	68	6400	20	165	31	5.0*	up to 3000	475 mw at 1700 mc	CK5675	
CK5794	Triode	Fixed Tuned Radiosonde Oscillator	5.2	0.146	8HD	2.85	0.98									117	35	4.0	1680	300 mw minimum	CK5794	
CK5876	Triode	RF Oscill.-Ampl. Freq. Mult.	6.3	0.135	8HC	2.04	0.82	300	25	6.25*	250	18	75	6500	56	360	25	6.25*	up to 3000	3 watts at 500 mc	CK5876	
CK5893	Triode	Plate Pulsed CW Oscill.-Ampl.	6.0	0.330	8HC	2.06	0.82	330	35	7.0*	200	25	100	6000	27	PLATE PULSED OSCILLATOR						CK5893
																1750 Peak	3.0 amps Peak	6.0*	3300	1200 watts Peak		

* If plate dissipation exceeds 2.5 watts, special precautions must be taken to cool anode externally.

STORAGE TUBES

TYPE	CONSTRUCTION	DEFLECTION	TYPICAL APPLICATION	FILAMENT			MAX. VOLTAGES					STORAGE SCREEN	MAX. CURRENT (Ma.)	RESOLUTION	CAP. OUTPUT (μ f)	BASE	TYPE
				Volts	Amps.	Type	Anode 2	Anode 1	Grid 1	Decelerator	Collector						
QK411A	Cathode Ray	Electrostatic	Storage Tube	6.3	0.6	Oxide Cathode	6000	2800	+0 -200	500	500	500	0.3	400 lines	20	14 Pin Shell	QK411A
RK6835	Cathode Ray	Magnetic	Storage Tube	6.3	0.6	Oxide Cathode		6000	+0 -200	500	500	500	0.5	400 lines	20	12 Pin Small Shell	RK6835

BACKWARD WAVE OSCILLATORS

TYPE	CONSTRUCTION	TYPICAL APPLICATION	FILAMENT			MAX. VOLTAGES			MAX. CURRENT (Ma.)			POWER OUTPUT (Watts)	FREQ. RANGE Mc/s	TYPE
			Volts	Amps.	Type	Grid	Anode	Collector	Grid	Anode	Collector			
QK518	Backward Wave Oscillator	Signal Generator	6.3	1.7	Cathode	0	250	1500	2.0	20	45	0.5	2000-4000	QK518
QK522	Backward Wave Oscillator	Signal Generator	6.3	2.2	Cathode	0	300	1800	2.0	10	35	0.2	3600-7200	QK522
QK529	Backward Wave Oscillator	Signal Generator	7.0	1.9	Cathode	0	300	1700	2.0	10	25	0.05	6000-11000	QK529

See pages 20-21-22 for basing diagrams and terminal connections.
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RECTIFIER TUBES



TYPE	CONSTRUCTION	HEATER or FILAMENT			BASING	MAX. DIMENSIONS Inches		MAX. PEAK INVERSE VOLTAGE	MAX. PEAK PLATE CURRENT PER PLATE	MAX. DC OUTPUT CURRENT	AVERAGE TUBE DROP Volts	BASE	TYPE
		Volts	Amps.	Type		Height	Diam.						
BH	Full Wave—Gas			Cold	8EC	4 3/8	1 13/16	1,000	400 ma.	125 ma.	90	4-pin	BH
0Z4A/ CK1003	Full Wave—Gas			Cold	8XA	2 5/8	1 5/16	880	330 ma.	110 ma.	24	Octal	0Z4A/ CK1003
2X2A	Half Wave—High Vacuum	2.5	1.75	Htr	8ED	4 17/32	1 9/16	12,500	45 ma.	7.5 ma.		4-pin	2X2A
RK3B24W	Half Wave—High Vacuum	2.5	3.0	Fil	8EA	4 13/16	1 1/2	20,000	150 ma.	30 ma.		4-pin	RK3B24W
RK3B26	Clipper Diode—High Vacuum	5.0	3.0					20,000	300 ma.	60 ma.			RK3B26
RK3B26	Clipper Diode—High Vacuum	2.5	4.75	Htr	8X	4 3/8	1 5/16	15,000	8 amp.	20 ma.	130	Octal	RK3B26
RK3B29	Half Wave—High Vacuum	2.5	4.75	Htr	See Data	5 1/4	1 3/16	16,000	250 ma.	65 ma.	130	4-pin	RK3B29
RK4B31	Clipper Diode—High Vacuum	5.0	5.25	Htr	See Data	7	2 9/16	16,000	16 amp.	60 ma.	150	Jumbo 4-pin	RK4B31
5R4GY	Full Wave—High Vacuum	5.0	2.0	Fil	8WB	5 5/16	2 1/16	2,800	650 ma.	175 ma.		Octal	5R4GY
5R4WGY	Full Wave—High Vacuum	5.0	2.0	Fil	8WB	5 5/16	2 1/16	2,800	650 ma.	175 ma.		Octal	5R4WGY
6X4W	Full Wave—High Vacuum	6.3	0.6	Htr	yQ	2 5/8	3/4	1,250	210 ma.	70 ma.	22	7-pin min.	6X4W
6X5WGT	Full Wave—High Vacuum	6.3	0.6	Htr	8XB	3 5/16	1 9/32	1,250	210 ma.	70 ma.	22	Octal	6X5WGT
RX120	Half Wave—Mercury, Argon	2.5	30.0	Htr	See Data	8 13/16	3 13/16	150	120 amp.	20 amp.	5	Mogul	RX120
RX120A	Half Wave—Mercury	2.5	30.0	Htr	See Data	8 13/16	3 13/16	300	120 amp.	20 amp.	6	Mogul	RX120A
RX212	Half Wave—Mercury							750	120 amp.	10 amp.	6		RX212
RX212	Half Wave—Mercury	2.5	30.0	Htr	See Data	12	3 7/8	1,000	120 amp.	20 amp.	10	Mogul	RX212
RX215	Full Wave—Mercury	2.5	30.0	Htr	See Data	8	3 7/8	500	90 amp.	15 amp.	10	S. Jumbo 4-pin	RX215
RK816	Half Wave—Mercury	2.5	2.0	Fil	8EB	4 11/16	1 9/16	7,500	500 ma.	125 ma.		4-pin	RK816
RK866A	Half Wave—Mercury	2.5	5.0	Fil	8EB	6 9/16	2 7/16	10,000	1 amp.	250 ma.	15	4-pin	RK866A
RK872A	Half Wave—Mercury	5.0	7.5	Fil	See Data	8 1/2	2 9/16	10,000	5 amp.	1.25 amp.	10	Jumbo 4-pin	RK872A
CK1005	Full Wave—Gas	6.3	0.1	*	8Y	2 5/8	1 5/16	450	210 ma.	70 ma.	20	Octal	CK1005
CK1006	Full Wave—Gas	1.75	2.0	*	8EF	4 11/16	1 13/16	1,600	600 ma.	200 ma.	15	4-pin	CK1006
CK1007	Full Wave—Gas	1.0	1.2	*	8WA	2 5/8	1 5/16	980	330 ma.	110 ma.	24	Octal	CK1007
CK1012	Full Wave—Gas	1.75	2.0	*	8EF	4 11/16	1 13/16	1,200	900 ma.	300 ma.	20	4-pin Med.	CK1012
CK1024	Full Wave—Gas			Cold	8XA	2 5/8	1 5/16	1,000	480 ma.	175 ma.	24	Octal	CK1024
CK1028A	Half Wave—Gas	6.3	0.55	Fil	8VA	2 1/4	3/4	2,500	300 ma.	100 ma.	15	7-pin Min.	CK1028A
1641/RK60	Full Wave—High Vacuum	5.0	3.0	Fil	8E	5 3/4	2 1/16	4,500	150 ma.	50 ma.	60	4-pin	1641/RK60
CK5517	Half Wave—Gas			Cold	7CB	2 1/4	3/4	2,500	330 ma.	250 ma.			CK5517
CK5785	Half Wave—High Vacuum	1.25	0.015	Fil	7F	1 1/2	W = 0.4 Th = 0.3	3,500	100 ma.	12 ma.	100	7-pin Min.	CK5785
CK5995	Half Wave—High Vacuum	6.3	0.3	Htr	7BA	1 3/4	0.400	850	450 μ a	100 μ a	17	Flex. Leads	CK5995
CK6174	Half Wave—Gas			Cold	7CB	2 1/4	3/4	2,800	275 ma.	45 ma.	25	Flex. Leads	CK6174
CK6436	Half Wave—Gas			Cold	5P	1 13/16	0.400	1,500	30 ma.	3 ma.	100	7-pin Min.	CK6174
CK6659	Half Wave—Gas			Cold	5N	2 1/8	0.400	2,800	10 ma.	100 μ a	100	Flex. Leads	CK6436
CK6763	Half Wave—Gas			Cold	7M	2 1/4	3/4	2,800	40 ma.	8 ma.	100	Flex. Leads	CK6659
									100 ma.	12 ma.	100	7-pin Min.	CK6763

*May be used as ionic heated cathode rectifier under some conditions.
See pages 20-21-22 for basing diagrams and terminal connections.
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TRANSMITTING TUBES



TYPE	CONSTRUCTION	TYPICAL APPLICATION	FILAMENT			MAXIMUM VOLTAGES				MAX. CURRENT MA.			POWER—WATTS			CAPACITANCES			BASE	TYPE
			Volts	Amps	Type	Plate	Grid 1	Grid 2	Grid 3	Plate	Grid 1	Grid 2	Dissipation	Drive	Output	G-P	Input	Output		
2C34/ RK34	Dual Triode	H-F Oscillator-Amp.	6.3	0.8	Heater	300	—36			80*	20*		10*	1.8*	16*	2.4	3.4	0.5	7-Pin	2C34/ RK34
2E24	Beam Pentode	VHF Oscil.-Amp.	6.0	0.65	Oxide	600	—175	200		85	3.5	12.5	13.5	2.0	16.5	0.11	8.5	6.5	Octal	2E24
2E26	Beam Pentode	VHF Oscil.-Amp.	6.0	0.8	Cathode	600	—175	200		75	3.5	12.5	13.5	0.17	27	0.20	13	7	Octal	2E26
2E30	Beam Pentode	RF-AF Amplifier	6.0	0.65	Fil.	250	—150	250	0	60	3		10	0.2	7.5	0.18	9.6	14	7-Pin Min.	2E30
RK4D22	Beam Tetrode	R-F Oscillator-Amp.	25.2 12.6	0.8 1.6	Cathode	750	—200	350		300	15	35	50	1.5	135	0.27	28.0	13.0	Spec. 7-Pin	RK4D22
RK4D32	Beam Tetrode	R-F Oscillator-Amp.	6.3	3.75	Cathode	750	—200	350		300	15	35	50	1.5	135	0.27	28.0	13.0	Spec. 7-Pin	RK4D32
RK25	R-F Pentode	Suppressor Mod.	6.3	0.9	Heater	500	—90	200	+45	55	8	38	10	0.5	22	0.2	10.0	10.0	7-Pin	RK25
RK38	Triode	R-F, A-F Amp.	5.0	8.0	Thoriated	3000	—200			165	40		100	10.0	225	4.3	4.6	0.9	Med. 5-Pin	RK38
RK59	Dual Triode	Quick Heat'g	6.3	1.0	Oxide	500	—60			90*	14*		15*	1.3*	32*	9.0	5.0	1.0	4-Pin	RK59
RK75	Pentode	R-F Oscil.-Amp.	5.5	1.0	Oxide	500	—100	250		60	7	25	15		15	0.55	15	12	Med. 5-Pin	RK75
RK715C	Tetrode	Pulse Modulator	27.0	2.15	Cathode	18000	—1000	1350		15 amp.			60			1.1	38	7	Spec. 4-Pin	RK715C
RK807	Beam Tetrode	R-F Oscil.-Amp.	6.3	0.9	Heater	600	—200	300		100	5	12	30	0.2	50	0.2	11.0	7.0	Med. 5-Pin	RK807
RK811A	Triode	RF-AF Amplifier	6.3	4	Fil.	1500	—200			175	50		65	7.1	200	5.6	5.9	0.7	4-Pin	RK811A
RK812A	Triode	RF-AF Amplifier	6.3	4	Fil.	1500	—200			175	35		65	6.5	190	5.5	5.4	0.77	4-Pin	RK812A
RK813	Beam Tetrode	R-F Oscil.-Amp.	10.0	5	Thoriated	2250	—300	400		225	30	55	125	4.0	375	0.25	16.3	14	Giant 7-Pin	RK813
RK814	Beam Tetrode	R-F Oscil.-Amp.	10.0	3.25	Thoriated	1250	—300	300		150	15	34	65	1.5	130	0.12	13.0	10.0	Med. 5-Pin	RK814
RK829B	Dual Beam Tet.	R-F Oscil.-Amp.	12.6	1.125	Cathode	750	—175	225		240*	15*	30*	40*	0.8*	87*	0.12	14.5	7.0	Med. 7-Pin	RK829B
RK832A	Dual Beam Tet.	R-F Oscil.-Amp.	6.3	0.8	Cathode	750	—100	250		90	6	20	15	0.19	26	0.05	7.5	3.8	Spec. 7-Pin	RK832A
RK837	R-F Pentode	R-F Oscil.-Amp.	12.6	0.7	Heater	500	—200	200	+40	80	8	40	12	0.4	22	0.2	16.0	10.0	Med. 7-Pin	RK837
1614	Beam Pentode	RF-AF Amplifier	6.3	0.9	Heater	375	—125	300		110	5	10	21	0.1	21	0.4	10	12	Octal 7-Pin	1614
RK1625	Beam Tetrode	R-F Oscil.-Amp.	12.6	0.45	Cathode	600	—200	300		100	5	12	30	0.2	40	0.2	11	7	Med. 7-Pin	RK1625
CK5763	Beam Pentode	R-F Oscil.-Amp.	6.0	0.75	Heater	300	—125	250	0	50	5	15	12	0.35	8	0.3	9.5	4.5	9-Pin Min.	CK5763
RK6146	Beam Pentode	RF-AF Amp.	6.3	1.25	Heater	750	—150	250		150	4		25	0.3	69	0.22	13.5	9	Octal	RK6146

*Indicates value for both sections combined.
See pages 20-21-22 for basing diagrams and terminal connections.
This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



CAVITY MAGNETRONS



TYPE	HEATER		CLASS	BAND or RANGE Mc.	MAXIMUM RATINGS			Avg. Input Watts	Anode Kv	Anode Amps	TYPICAL OPERATION		P.R.R.	Min P.O. Pk Kw	TYPE
	Volts	Amps			Anode Kv	Anode Amps	Duty Cycle				Field Gauss	Pulse μsec			
RK2J23	6.3	1.5	Fixed Frequency—Pulsed	3071–3100	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J23
RK2J24	6.3	1.5	Fixed Frequency—Pulsed	3027–3071	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J24
RK2J25	6.3	1.5	Fixed Frequency—Pulsed	3019–3047	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J25
RK2J26	6.3	1.5	Fixed Frequency—Pulsed	2992–3019	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J26
RK2J27	6.3	1.5	Fixed Frequency—Pulsed	2965–2992	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J27
RK2J28	6.3	1.5	Fixed Frequency—Pulsed	2939–2965	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J28
RK2J29	6.3	1.5	Fixed Frequency—Pulsed	2914–2939	22.0	30.0	.002	600	20.0	30.0	2400	1.0	1000	27.5	RK2J29
RK2J30	6.3	1.5	Fixed Frequency—Pulsed	2860–2900	22.0	30.0	.002	600	20.0	30.0	1900	1.0	1000	28.5	RK2J30
RK2J31	6.3	1.5	Fixed Frequency—Pulsed	2820–2860	22.0	30.0	.002	600	20.0	30.0	1900	1.0	1000	28.5	RK2J31
RK2J32	6.3	1.5	Fixed Frequency—Pulsed	2780–2820	22.0	30.0	.002	600	20.0	30.0	1900	1.0	1000	28.5	RK2J32
RK2J33	6.3	1.5	Fixed Frequency—Pulsed	2740–2780	22.0	30.0	.002	600	20.0	30.0	1900	1.0	1000	28.5	RK2J33
RK2J34	6.3	1.5	Fixed Frequency—Pulsed	2700–2740	22.0	30.0	.002	600	20.0	30.0	1900	1.0	1000	28.5	RK2J34
RK2J36	6.3	1.5	Fixed Frequency—Pulsed	9003–9168	13.5	12.0	.002	200	11.5	10.0	2500	1.0	1000	14.0	RK2J36
RK2J42	6.3	0.5	Fixed Frequency—Pulsed	9345–9405	6	5.5	.0025	82.5	5.5	4.5	Pkg.	1	2000	7	RK2J42
RK2J48	6.3	1.0	Fixed Frequency—Pulsed	9310–9320	16.0	16.0	.002	230	10.5	10.0	4850	1.0	1000	25.0	RK2J48
RK2J49	6.3	1.0	Fixed Frequency—Pulsed	9000–9160	16.0	16.0	.0012	180	12.0	12.0	5400	1.0	1000	40.0	RK2J49
RK2J50	6.3	1.0	Fixed Frequency—Pulsed	8750–8900	16.0	16.0	.0012	180	12.0	12.0	5400	1.0	1000	40.0	RK2J50
RK2J51A	6.3	1.0	Tunable—Pulsed	8500–9600	16	16	.0012	230	14.0	14	Pkg.	1	1000	45	RK2J51A
RK2J55	6.3	1.0	Fixed Frequency—Pulsed	9345–9405	16.0	16.0	.001	180	12.8	12.0	Pkg.	1.0	1000	50.0	RK2J55
RK2J56	6.3	1.0	Fixed Frequency—Pulsed	9215–9275	16.0	16.0	.001	180	12.8	12.0	Pkg.	1.0	1000	40.0	RK2J56
RK2J66	6.3	1.5	Tunable—Pulsed	2845–2905	20.0	25.0	.001	400	18.0	25.0	1700	1.0	1000	150	RK2J66
RK2J67	6.3	1.5	Tunable—Pulsed	2795–2855	20.0	25.0	.001	400	18.0	25.0	1700	1.0	1000	150	RK2J67
RK2J68	6.3	1.5	Tunable—Pulsed	2745–2805	20.0	25.0	.001	400	18.0	25.0	1700	1.0	1000	150	RK2J68
RK2J69	6.3	1.5	Tunable—Pulsed	2695–2755	20.0	25.0	.001	400	18.0	25.0	1700	1.0	1000	150	RK2J69
RK2J70	6.3	1.25	Fixed Frequency—Pulsed	3030–3110	7.5	15.0	.002	200	7.0	8.0	Pkg.	0.5	1000	20	RK2J70
RK2J71	6.3	1.25	Fixed Frequency—Pulsed	3190–3201	5.5	8.0	.002	100	5.0	5.0	Pkg.	1.0	2000	6	RK2J71
RK4J31	16.0	3.1	Fixed Frequency—Pulsed	2860–2900	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J31
RK4J32	16.0	3.1	Fixed Frequency—Pulsed	2820–2860	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J32
RK4J33	16.0	3.1	Fixed Frequency—Pulsed	2780–2820	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J33
RK4J34	16.0	3.1	Fixed Frequency—Pulsed	2740–2780	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J34
RK4J35	16.0	3.1	Fixed Frequency—Pulsed	2700–2740	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J35
RK4J36	16.0	3.1	Fixed Frequency—Pulsed	3650–3700	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J36
RK4J37	16.0	3.1	Fixed Frequency—Pulsed	3600–3650	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J37
RK4J38	16.0	3.1	Fixed Frequency—Pulsed	3550–3600	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J38
RK4J39	16.0	3.1	Fixed Frequency—Pulsed	3500–3550	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J39
RK4J40	16.0	3.1	Fixed Frequency—Pulsed	3450–3500	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J40
RK4J41	16.0	3.1	Fixed Frequency—Pulsed	3400–3450	30.0	70.0	.001	1200	28.0	70.0	2500	1.0	400	750	RK4J41
RK4J43	16.0	3.1	Fixed Frequency—Pulsed	2992–3019	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J43
RK4J44	16.0	3.1	Fixed Frequency—Pulsed	2965–2992	30.0	70.0	.001	1200	28.0	70.0	2700	1.0	400	900	RK4J44

See pages 20-21-22 for basing diagrams and terminal connections.
This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



CAVITY MAGNETRONS



TYPE	HEATER		CLASS	BAND or RANGE Mc.	MAXIMUM RATINGS			Avg. Input Watts	Anode Kv	Anode Amps	TYPICAL OPERATION		P.R.R.	Min P.O. Ph Kw	TYPE
	Volts	Amps			Anode Kv	Anode Amps	Duty Cycle				Field Gauss	Pulse sec			
RK4J53	16.0	3.1	Fixed Frequency—Pulsed	2793–2813	30.0	70.0	.001	1200	21.5	56.0	2150	1.0	500	500	RK4J53
RK4J56	12.6	3.75	Fixed Frequency—Pulsed	6675–6575	25.0	35.0	.001	650	17.5	30.0	Pkg.	1.0	1000	180	RK4J56
RK4J57	12.6	3.75	Fixed Frequency—Pulsed	6575–6475	25.0	35.0	.001	650	17.5	30.0	Pkg.	1.0	1000	180	RK4J57
RK4J58	12.6	3.75	Fixed Frequency—Pulsed	6475–6375	25.0	35.0	.001	650	17.5	30.0	Pkg.	1.0	1000	180	RK4J58
RK4J59	12.6	3.75	Fixed Frequency—Pulsed	6375–6275	25.0	35.0	.001	650	17.5	30.0	Pkg.	1.0	1000	180	RK4J59
RK4J61	6.3	3.5	Tunable—CW	2450–2720	1.5	0.15	CW	200	1.20	0.125	Pkg.	CW	CW	0.05	RK4J61
RK4J62	6.3	3.5	Tunable—CW	2695–3015	1.5	0.15	CW	200	1.20	0.125	Pkg.	CW	CW	0.05	RK4J62
RK4J63	6.3	3.5	Tunable—CW	2985–3335	1.5	0.15	CW	200	1.20	0.125	Pkg.	CW	CW	0.05	RK4J63
RK4J64	6.3	3.5	Tunable—CW	3305–3675	1.5	0.15	CW	200	1.20	0.125	Pkg.	CW	CW	0.05	RK4J64
RK5J26	23.5	2.2	Tunable—Pulsed	1220–1350	31.0	60.0	.002	1800	27.5	46	1400	4	225	400	RK5J26
QK172	6.0	30.0	Fixed Frequency—Pulsed	9330–9420	36.0	50.0	.001	1500	34.0	40.0	Pkg.	1.8	600	500.0	QK172
QK264	3.0	85.0	Tunable—Pulsed	1250–1350	75.0	100.0	.0012	5500	60.0	90.0	Pkg.	4.0	300	2000.0	QK264
QK313	11.0	11.0	Tunable—Pulsed	5450–5825	27.0	30.0	.001	650	25.5	24.0	Pkg.	1.0	1000	250.0	QK313
QK324	4.8	12	Fixed Frequency—Pulsed	15,850–16,160	30	14	.0028	780	24	12	Pkg.	0.5	5000	70	QK324
QK362	5.0	.60	Tunable—Pulsed	9300–9500	2.0	1.0	.002	2.5	1.35	.75	Pkg.	1.0	2000	.05	QK362
QK366	6.3	2.9	Fixed Frequency—Pulsed	9205–9285	15.5	14.5	.001	225	15.0	13.5	Pkg.	0.5	2000	75.0	QK366
QK367	6.3	1.0	Fixed Frequency—Pulsed	9015–9075	16.0	16.0	.001	180	12.8	12.0	Pkg.	1.0	1000	50.0	QK367
QK389	6.3	2.5	Fixed Frequency—Pulsed	23,750–24,250	16.0	20.0	.0007	285	14.5	18.0	Pkg.	0.15	4000	50.0	QK389
QK390	8.0	35.0	Fixed Frequency—CW	2420–2490	6.2	.375	CW	2000	5.7	.30	Pkg.	CW	CW	.80	QK390
QK456	6.3	1.50	Fixed Frequency—Pulsed	5360–5400	16.0	20.0	.001	320.0	14.0	14.0	Pkg.	2.0	500	75.0	QK456
QK457	5.0	.63	Tunable—Pulsed	5500–5800	2.0	1.0	.002	5.0	1.5	.90	Pkg.	1.0	1000	.20	QK457
QK470	3.0	85.0	Tunable—Pulsed	1250–1350	75.0	100.0	.0012	5500	60.0	90.0	Pkg.	3.0	333	2000.0	QK470
QK472	6.3	0.5	Fixed Frequency—Pulsed	9345–9405	6.3	5.5	.002	70	5.7	4.5	Pkg.	.40	800	6.0	QK472
RK725A	6.3	1.0	Fixed Frequency—Pulsed	9345–9405	16.0	16.0	.0012	230	12.0	12.0	5400	1.0	1000	40.0	RK725A
RK730A	6.3	1.0	Fixed Frequency—Pulsed	9345–9405	16	16	.0012	230	12.0	12	5400	1	1000	40	RK730A
RK5586	16.0	3.1	Tunable—Pulsed	2700–2900	32	70.0	.001	1200	28.0	55.0	2700	1	500	700	RK5586
RK5609	6.3	3.8	Fixed Frequency—CW	2425–2475	1.7	0.15	CW	200	1.5	0.125	Pkg.	CW	CW	0.085	RK5609
RK5657	16	3.1	Tunable—Pulsed	2900–3100	32.5	70	.001	1300	30.0	55.0	2700	1	500	700	RK5657
RK5982	6.3	3.2	Fixed Frequency—Pulsed	9320–9430	15.5	14.5	.001	225	15.5	13.4	Pkg.	1.0	1000	75.0	RK5982
RK6002	4.0	40.0	Fixed Frequency—Pulsed	9230–9404	30.0	40.0	.002	870	27.5	30.0	Pkg.	5.0	200	225	RK6002
RK6177	6.3	0.6	CW Electro-mech.Freq.Mod.	4268–4350	.33	.035	CW	9.0	.30	.03	Pkg.	CW	CW	.001	RK6177
RK6229	5.0	0.45	Tunable—Pulsed	8900–9400	4.60	0.60	.003	7.75	4.05	0.5	Pkg.	0.25	8000	0.40	RK6229
RK6230	5.0	0.45	Tunable—Pulsed	8900–9400	4.60	0.90	.003	11.25	4.25	0.83	Pkg.	1.0	3000	1.0	RK6230
RK6249	9.0	14.4	Tunable—Pulsed	8500–9600	32.0	32.0	.0013	1000	28.0	25.0	Pkg.	2.4	400	200.0	RK6249
RK6344	11.0	11.0	Tunable—Pulsed	5450–5825	24.0	30.0	.001	720	21.5	22.0	Pkg.	1.0	1000	175.0	RK6344
RK6402	8.3	43.0	Tunable—Pulsed	3430–3570	57.0	55.0	.0016	3700	47.0	50.0	Pkg.	2.0	700	700.0	RK6402
RK6403	8.3	43.0	Tunable—Pulsed	3430–3570	65.0	90.0	.0014	6500	59.0	80.0	Pkg.	2.0	450	2000.0	RK6403
RK6406	8.3	85.0	Fixed Frequency—Pulsed	2850–2910	56.0	95.0	.0006	3200	52.0	85.0	Pkg.	2.0	300	1750	RK6406
RK6410	8.3	82.0	Fixed Frequency—Pulsed	2750–2860	76.0	135.0	.001	7000	71.0	130.0	Pkg.	2.0	360	4500	RK6410
RK6517	2.5	85.0	Tunable—Pulsed	1250–1350	70.0	60.0	.0013	4300	53.0	50.0	Pkg.	3.0	417	1000.0	RK6517
RK6518	13.0	40.0	Fixed Frequency—Pulsed	2700–3010	45.0	92.0	.0007	3000	41.0	87.5	Pkg.	2.0	300	1500.0	RK6518
RK6551	5.0	2.9	Fixed Frequency—Pulsed	23,800–24,270	16.0	18.0	.0007	189	14.0	15.0	Pkg.	.15	4000	40.0	RK6551
RK6695	16.0	3.1	Tunable—Pulsed	3430–3570	33.0	65.0	.001	2000	31.0	60.0	2600	1.0	1000	650.0	RK6695
RK6841	4.0	10.5	Fixed Frequency—Pulsed	16410–16625	18.0	16.0	.001	290	16.5	14.0	Pkg.	3.0	300	45.0	RK6841
RK6843	9.5	11.0	Tunable—Pulsed	5450–5825	26.0	30.0	.0012	750	24.5	24.0	Pkg.	1.0	1000	250.0	RK6843

See pages 20-21-22 for basing diagrams and terminal connections.
This data is compiled as a Raytheon service to the Field, it is not intended to indicate type availability.



REFLEX KLYSTRONS



TYPE	MAXIMUM FREQUENCY RANGE megacycles	FREQUENCY megacycles	POWER OUTPUT milliwatts		TYPICAL OPERATION			ELECTRONIC TUNING E.Ref./p.o. 2 megacycles	MAX. TEMP. COEF. Mc/°C	FILAMENT CURRENT at 6.3V amperes	TYPE OF CAVITY	TYPE OF TUNING	TYPE OF OUTPUT COUPLING	TYPE
			Avg.	Min.	REFLECTOR POTENTIAL D.C.Volts	RESO- NATOR POTENTIAL D.C.Volts	FOCUS OR CONTROL GRID POTENTIAL D.C.Volts							
2K22	4240-4910	4775	115	75	-120 to -180	300		30 min.	-0.1 to +0.5	0.440	Self Cont.	Mech.Cap	Coax.Cable	2K22
2K25	8500-9660	9370	32	20	-128 to -123	300		55 avg.	0 to -0.2	0.440	Self Cont.	Mech.Cap	Waveguide RG-52/U	2K25
2K26	6250-7060	6660	100	80	-70 to -115	300		32 min.	0 to -0.2	0.440	Self Cont.	Mech.Cap	Waveguide RG-50/U	2K26
2K28A	1500-3750	3458-3592	140	95	-182 to -277	300	300	20 min.	±0.15	0.650	External	Mech.Ind.	Coax.Cable	2K28A
2K29	3400-3960	3560	106	85	-75 to -180	300		28 min.	-0.1 to +0.5	0.440	Self Cont.	Mech.Cap	Coax.Cable	2K29
2K33	22,000-25,000	22,000-25,000	40	10	-80 to -220	1800	-20 to -100	40 avg.	0 to -1.0	0.580	Self Cont.	Mech.Cap	Waveguide RK-53/U	2K33
2K45	8500-9660	9660	32	20	-95 to -145	300	-25 to +15	70 avg.		0.762	Self Cont.	Therm.Cap	Waveguide RG-52/U	2K45
2K48	4000-11,000	6900-10,850		20	-175 to -300	1250				0.575	External	Mech.Ind.	Coax.Cable	2K48
2K56	3840-4460	4150	100	80	-85 to -150	300		30 min.	-0.1 to +0.5	0.440	Self Cont.	Mech.Cap	Coax.Cable	2K56
6BL6	1600-5500	2110-4355	50	25	-30 to -330	300	0			0.675	External	Mech.Ind.	Coax.Cable	6BL6
QK246	15,000-16,200	15,800-16,200	51	20	-152 to -173	1500	-20 to -120	25 min.		0.580	Self Cont.	Mech.Cap	Waveguide RG-91/U	QK246
QK288	34,300-35,300	34,300-35,300	20	10	-110 to -210	2250	-50 to -180	50 min.	-1.5 to -3.5	0.580	Self Cont.	Mech.Cap	Waveguide RG-96/U	QK288
QK289		27,270-30,000	20	10	-50 to -200	2250	-20 to -250	45 avg.	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-96/U	QK289
QK290		29,700-33,520	20	10	-50 to -200	2250	-20 to -250	45 avg.	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-96/U	QK290
QK291		33,520-36,250	18	5	-50 to -200	2250	-20 to -250	45 avg.	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-96/U	QK291
QK292		35,100-39,700	10	5	-50 to -200	2250	-20 to -200	45 avg.	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-96/U	QK292
QK293	34,900-42,800	37,100-42,600	5		-50 to -200	2500	-20 to -200	(specified)	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-97/U	QK293
QK294	40,000-51,800	41,700-50,000	5		-50 to -200	3000	-20 to -200	(specified)	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-97/U	QK294
QK295	Two tubes necessary to cover 50,000-60,000 mc.		To be specified		-50 to -200	3500	-20 to -200	(specified)	(specified)	0.580	Self Cont.	Mech.Cap	Waveguide RG-98/U	QK295
QK306	18,000-22,000	18,000-22,000	40	10	-80 to -220	1800	-20 to -200	40 avg.	0 to -1.0	0.580	Self Cont.	Mech.Cap	Waveguide RG-53/U	QK306
QK336	15,000-17,000	15,000-17,000	20	15	-60 to -200	300		40 min.		0.675	Self Cont.	Mech.Cap	Waveguide RG-91/U	QK336
QK381	4100-4450	4300	4.5	3.0	-67 to -87	250		30 min.	-0.1 to +0.05	0.440	Self Cont.	Mech.Cap	Coax.Cable	QK381
QK404	5925-6450	6200	120	100	-195 to -275	300		20 avg.	-0.1 to +0.1	0.440	Self Cont.	Mech.Cap	Waveguide RG-50/U	QK404
QK412	5100-5900	5500	100	70	-160 approx.	300			-0.1 to +0.1	0.440	Self Cont.	Mech.Cap	Coax. to W.G. RG-49/U	QK412
QK414	9660-10,250	10,000	20	15	-128 to -183	300		50 min.	-0.1 to +0.1	0.440	Self Cont.	Mech.Cap	Waveguide RG-52/U	QK414
QK422	7125-8125	7600	150	100	-150 to -225	300		20 min.	-0.1 to +0.1	0.440	Self Cont.	Mech.Cap	Waveguide RG-50/U	QK422
QK431	15,000-17,000	15,000-17,000	25	20	-60 to -210	300		75 min.	-0.2 to -0.6	0.675	Self Cont.	Mech.Cap	Waveguide RG-91/U	QK431

See pages 20-21-22 for basing diagrams and terminal connections.
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REFLEX KLYSTRONS



TYPE	MAXIMUM FREQUENCY RANGE megacycles	FREQUENCY megacycles	POWER OUTPUT milliwatts		TYPICAL OPERATION			ELECTRONIC TUNING E, Ref./p.o. 2 megacycles	MAX. TEMP. COEF. Mc/°C	FILAMENT CURRENT at 6.3V amperes	TYPE OF CAVITY	TYPE OF TUNING	TYPE OF OUTPUT COUPLING	TYPE
			Avg.	Min.	REFLECTOR POTENTIAL D.C. Volts	RESO- NATOR POTENTIAL D.C. Volts	FOCUS OR CONTROL GRID POTENTIAL D.C. Volts							
QK448	12,000-13,800	12,000-13,800	85	50	-100 to -275	300		60 min.	±0.05	0.675	Self Cont.	Mech. Cap	Waveguide RG-91/U	QK448
QK461	*5925-6450	6200	120	100	-75 to -175	300		30 min.	±0.1	0.440	Self Cont.	Mech. Cap	Waveguide RG-50/U	QK461
QK463	24,500-27,500	24,500-27,500	40	10	-50 to -250	1800	-20 to -125	40 min.	-1.0	0.580	Self Cont.	Mech. Cap	Waveguides RG-53/U RG-66/U	QK463
QK510	12,000-13,800	12,000-13,800	85	50	-100 to -275	300		60 min.	±0.05	0.675	Self Cont.	Mech. Cap	Waveguide RG-91/U	QK510
707B	1500-3750	3315-3680	140	80	-50 to -155	300	300	20 min.	±0.15	0.650	External	Mech. Ind.	Coax. Cable	707B
726C	2700-2960	2800	100	85	-75 to -135	300		25 min.	-0.1 to +0.05	0.440	Self Cont.	Mech. Cap	Coax. Cable	726C
RK5721	2000-12,000	4290-8340	125	100	-60 to -625	1000	+4 to +18	12 min.	-0.1 to +0.05	0.440	External	Mech. Ind.	Coax. Cable	RK5721
RK5777	600-2350	950-2350	160	100	-50 to -625	400	0 to 5	8 min.	0.15	0.985	External	Mech. Ind.	Coax. Cable	RK5777
RK5778	1800-4620	2140-4620	150	100	-50 to -460	300	-5 to +5	8 min.	0.15	0.985	External	Mech. Ind.	Coax. Cable	RK5778
RK5836	1600-5500	2500-4355	75	25	-25 to -320	300	10	6 min.		0.675	External	Mech. Ind.	Coax. Cable	RK5836
RK5837	550-3800	1500-3000	160	15	-215 to -235	300	10	12 min.		0.675	External	Mech. Ind.	Coax. Cable	RK5837
RK5976	6200-7425	6750	110	85	-78 to -158	300		32 min.	0 to -0.2	0.440	Self Cont.	Mech. Cap	Waveguide RG-50/U	RK5976
RK5981	1245-1460	1245-1460	100	40	-30 to -220	225		2.5 min.	±0.05	0.455	Self Cont.	Mech. Cap	Coax. Cable	RK5981
RK6037	5120-5430	5280	30	20	-80 to -160	300	0 to -200	40 min.		0.470(Kly) 0.825(Tnr)	Self Cont.	Therm. Cap	Waveguide RG-49/U	RK6037
RK6043	2950-3275	3200	175	150	-100 to -175	300	300	20	±0.15	0.650	Self Cont.	Mech. Ind.	Coax. Cable	RK6043
RK6115	5100-5900	5500	100	70	-115 to -175	300		30 min.	-0.1 to +0.05	0.440	Self Cont.	Mech. Cap	Waveguide RG-49/U	RK6115
RK6116	8500-9660	8500-9660	32	20	-95 to -145	300	0 to -280	70 avg.		0.500	Self Cont.	Therm. Cap	Waveguide RG-52/U	RK6116
RK6133	1200-3750	3458-3592	140	95	-182 to -227	300	300	20 min.	±0.15	0.650	External	Mech. Ind.	Coax. Cable	RK6133
RK6178	15,750-16,250	15,750-16,250	25	20	-100 to -200	300		75 min.	-0.2 to -0.6	0.675	Self Cont.	Mech. Cap	Waveguide RG-91/U	RK6178
RK6236	3800-7600	4290-7500	125	90	-60 to -510	1000	4 to 18	10 min.	±0.025	0.580	External	Mech. Ind.	Coax. Cable	RK6236
RK6253	*18,000-22,000	18,000-22,000	40	10	-80 to -220	1800	-20 to -100	40 avg.	-1.0	0.580	Self Cont.	Mech. Cap	Waveguide RG-66/U	RK6253
RK6254	*22,000-25,000	22,000-25,000	40	10	-80 to -220	1800	-20 to -100	40 avg.	-1.0	0.580	Self Cont.	Mech. Cap	Waveguide RG-66/U	RK6254
RK6294	8500-10,000	9300	70	50	-130 to -170	300		48 min.	0 to 0.2	1.20	Self Cont.	Mech. Cap	Waveguide RG-52/U	RK6294
RK6295	8500-10,000	9300	70	50	-130 to -170	300		48 min.	0 to 0.2	1.20	Self Cont.	Mech. Cap	Waveguide RG-52/U	RK6295
RK6310	8500-10,000	9300	070	50	-130 to -170	300		48 min.	0 to -20	1.20	Self Cont.	Mech. Cap Slotted	Waveguide RG-52/U	RK6310
RK6312	8500-10,000	9300	70		-160	300		48		1.20	Self Cont.	Mech. Cap	UG-39/U UG-40/U	RK6312
RK6316	8500-10,000	9300	50		-160	300		48	0.06	1.20	Self Cont.	Mech. Cap	UG-39/U UG-40/U	RK6316
RK6390	6870-10,750	6870-9200	80	55	-115 to -420	1250	2 to 16	6 min.	±0.025	0.635	External	Mech. Ind.	Coax. Cable	RK6390
RK6573	15,500-17,000	15,500-17,000	25	20	-60 to -210	300		75 min.	-0.2 to -0.6	0.675	Self Cont.	Mech. Cap	Waveguide RG-91/U	RK6573

* With UG/425/U Output Flange

See pages 20-21-22 for basing diagrams and terminal connections.

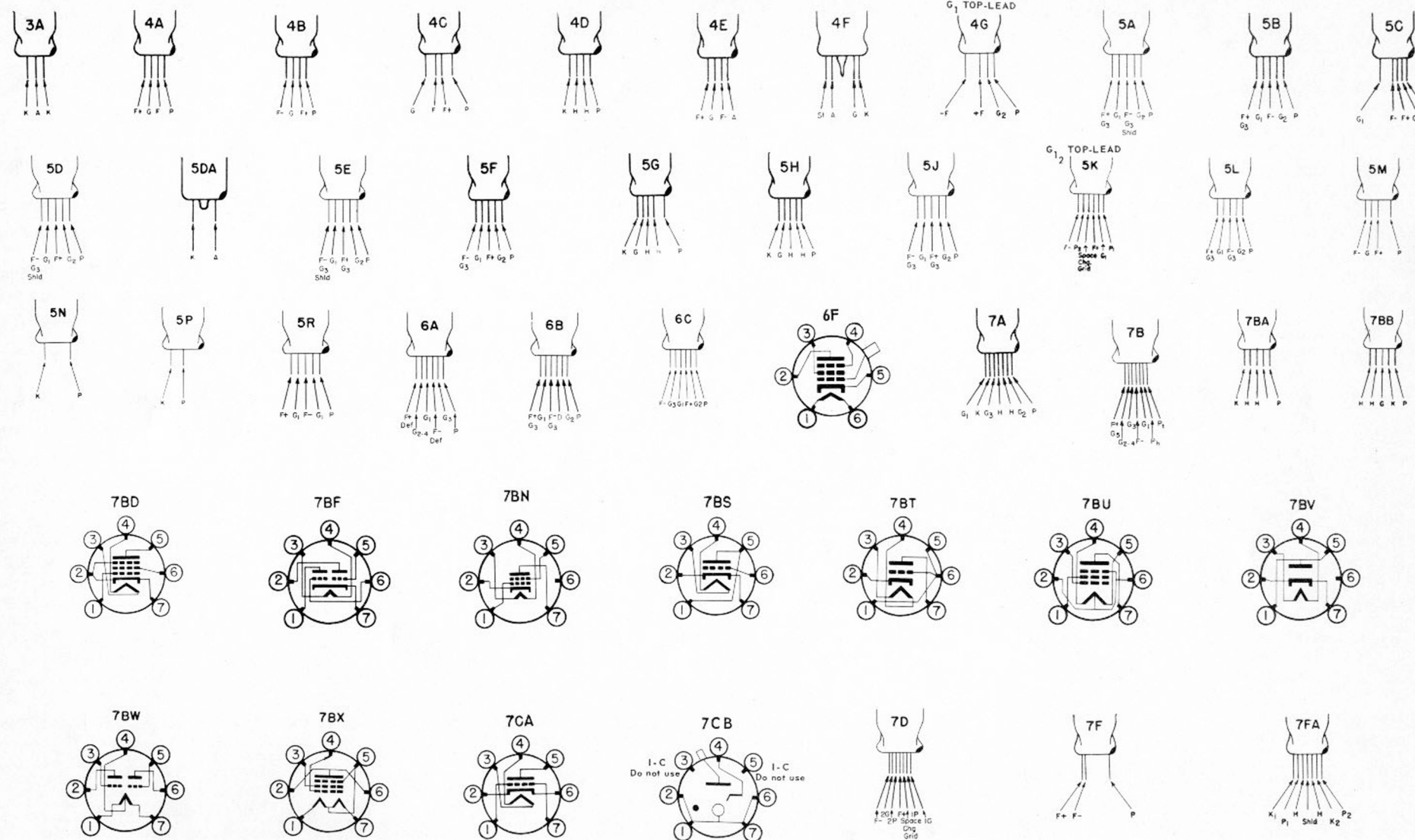
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BASING DIAGRAMS



Subminiature types viewed with Red Dot on right hand side () other types viewed from bottom of base.

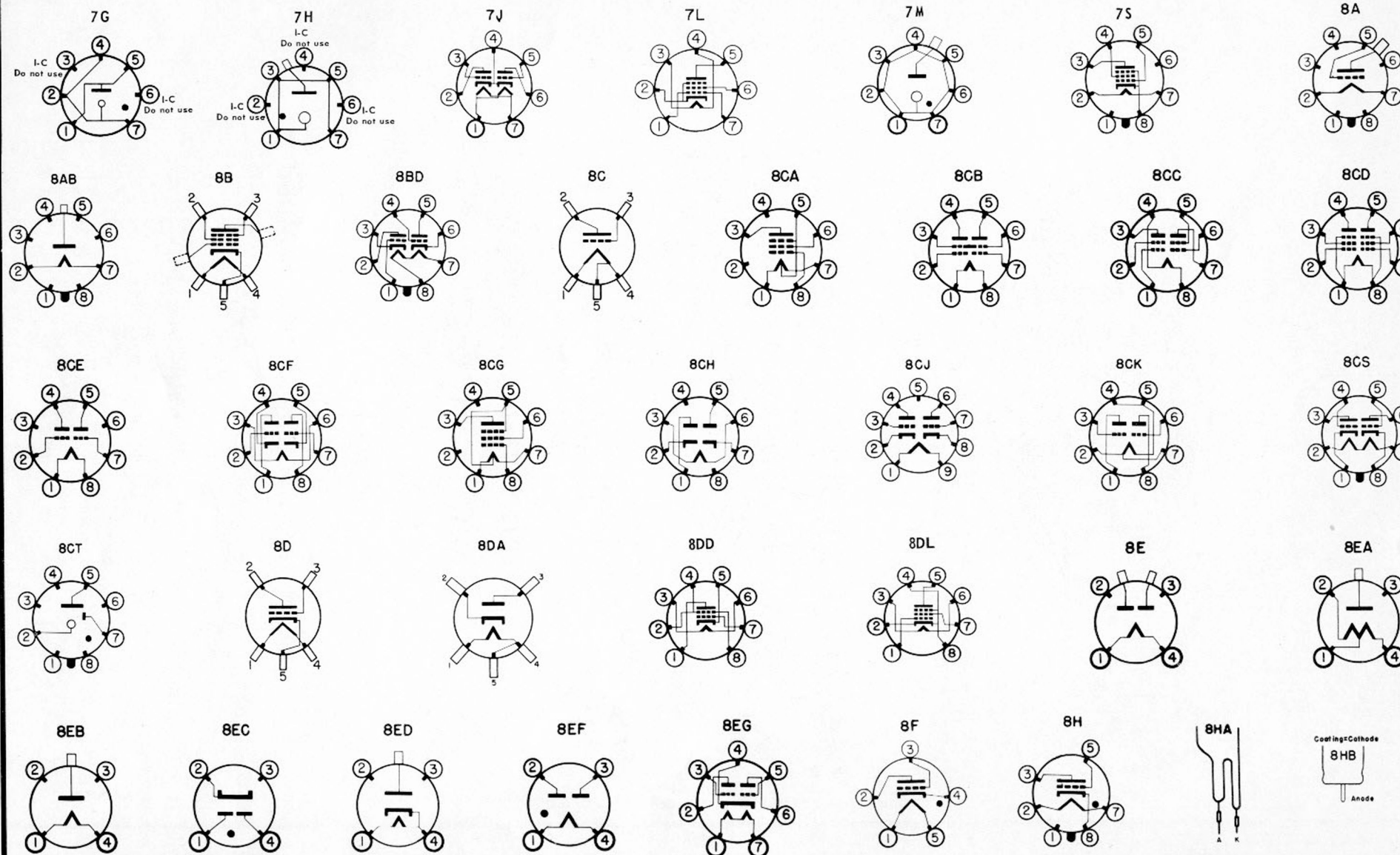




BASING DIAGRAMS



All types viewed from bottom of base unless otherwise shown.

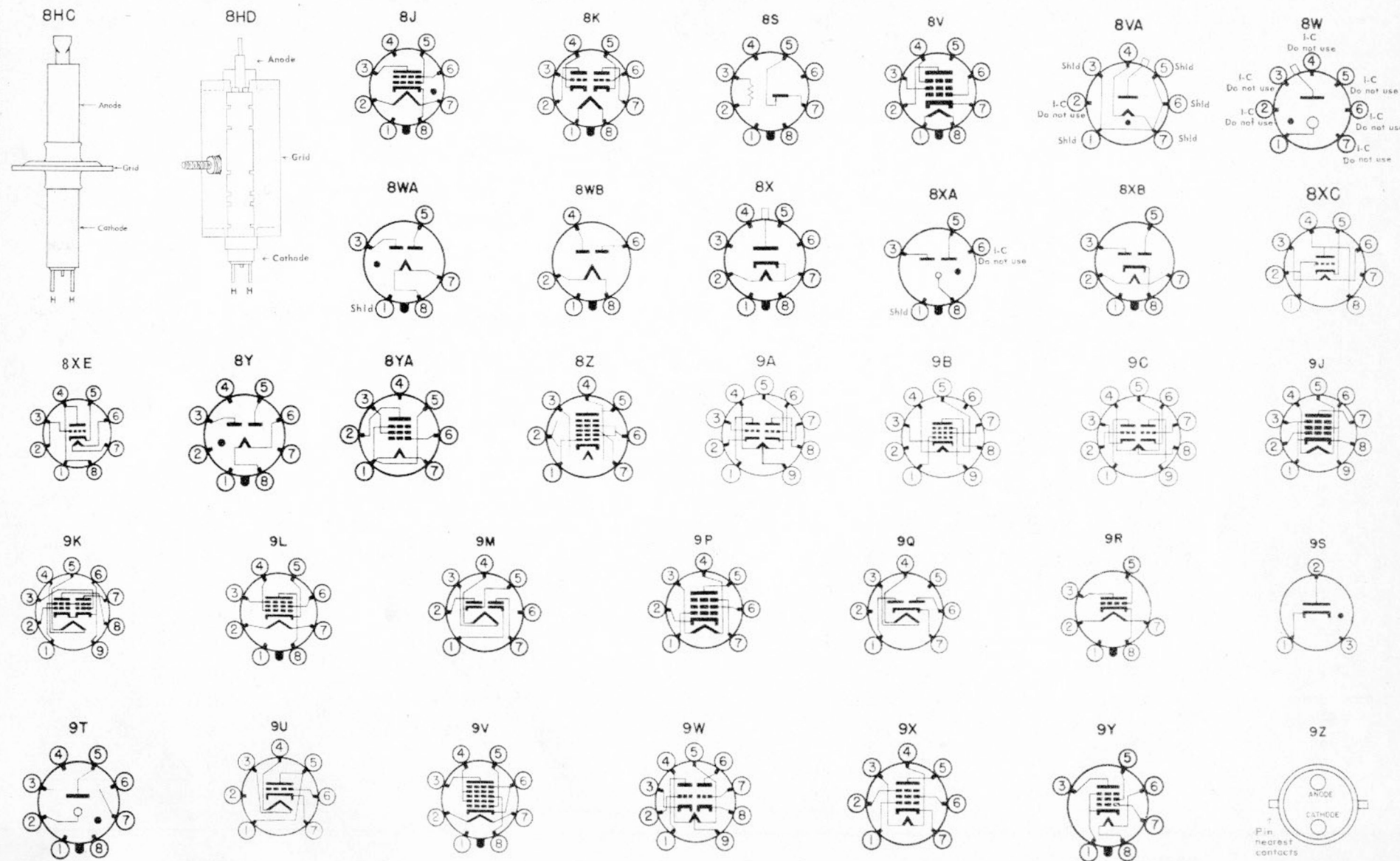




BASING DIAGRAMS



All types viewed from bottom of base unless otherwise shown.





RAYTHEON MANUFACTURING COMPANY

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Serving Warehouses

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Tel. T^Uxedo 9-5400

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Tel. T^Rinity 8-5908

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