



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 mas	OUTPUT milliwatts	LOAD RESIST. meg.	TYPE
			Volts	Ma.	Type		Length	Width	Thickness												
1AD4¹	Pentode	R-F Amplifier	1.25	100	Fil	5A	1.5	.385	.285	45	Rg = 2 meg.	45		2.8	0.8		0.5	2000			1AD4¹
1AE5	Heptode	Mixer	1.25	60	Fil	6A	1.5	.400	.300	45	Rg = 0.2 meg.	45	0	0.9	2		0.2	200 ³			1AE5
1AG4	Pentode	Power Amp.	1.25	40	Fil	5J	1.5	.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	Rg = 5 meg.	45		0.8	0.25		0.26	350			1AG5
1AH4¹	Pentode	R-F Amplifier	1.25	40	Fil	5A	1.5	.385	.285	45	Rg = 5 meg.	45		0.75	0.2		1.5	750			1AH4¹
1V6	Triode-Pent.	Converter	1.25	40	Fil	7BC	1.5	.410	.285	45	Rg = 5 meg.	45		0.40	0.15		1.0	200 ³	Eb Triode = 45 lb Triode = 0.4 ma.		1V6
2E31¹ 2E32¹⁻²	Pentode	R-F Amplifier	1.25	50	Fil	5D	1.5	.385	.285	22.5	0	22.5		0.4	0.3		0.35	500			2E31¹ 2E32¹⁻²
2E35 2E36²	Pentode	Power Amp.	1.25	30	Fil	5B	1.5	.385	.285	45	-1.25	45		0.6	0.11		0.25	525	6	0.1	2E35 2E36²
2G21 2G22²	Triode-Hept.	Converter	1.25	50	Fil	7B	1 1/16	.385	.285	22.5	Rg = 50,000	22.5	0	0.2	0.3		0.5	60 ³	Eb Triode = 22.5 lb Triode = 1 ma.		2G21 2G22²
CK501AX	Pentode	Voltage Amp.	1.25	30	Fil	5J	1.5	.385	.285	45	0	45		0.65	0.25		1.0	750	45 ⁴		CK501AX
CK502AX	Pentode	Power Amp.	1.25	30	Fil	5J	1.5	.385	.285	45	-1.25	45		0.6	0.15		0.2	550	6	0.1	CK502AX
CK503AX	Pentode	Power Amp.	1.25	30	Fil	5J	1.5	.385	.285	45	-2	45		0.8	0.25		0.35	550	9.5	0.05	CK503AX
CK505AX	Pentode	Voltage Amp.	0.625	30	Fil	5J	1.25	.385	.285	22.5	-0.625	22.5		0.125	0.040		1.1	180	38 ⁴		CK505AX
CK506AX	Pentode	Power Amp.	1.25	50	Fil	5J	1.5	.385	.285	45	-4.5	45		1.25	0.4		0.12	500	25	0.03	CK506AX
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	45	0			0.06			0.5	65	150 ⁵		CK510AX
CK511X	Pentode	Voltage Amp.	1.25	50	Fil	6C	1.75	Dia. = .550		45	0	45		0.24	0.2		0.22	220	30 ⁴	1.0	CK511X
CK512AX	Pentode	Voltage Amp.	0.625	20	Fil	5J	1.25	.385	.285	22.5	-0.625	22.5		0.125	0.040		1.25	160	37 ⁴		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	22.5	-0.625			0.15			0.05	200	7.5 ⁴	1.0	CK516AX
CK518AX¹	Pentode	Power Amp.	1.25	30	Fil	5E	1.515	.380	.290	45	-2	45		0.8	0.25		0.35	550	9.5	0.5	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	22.5		0.8	0.22		0.22	400	6	0.02	CK521AX
CK522AX	Pentode	Power Amp.	1.25	20	Fil	5J	1.5	.385	.285	22.5	0	22.5		0.3	0.08		0.6	450	1.2	0.2	CK522AX
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		0.45	0.12		0.22	400	3.75	0.05	CK526AX
CK527AX	Pentode	Power Amp.	1.25	15	Fil	5J	1.5	.385	.285	22.5	0	22.5		0.1	0.025		1.8	225	0.75	0.3	CK527AX
CK528AX¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.515	.390	.290	22.5	0	22.5		0.3	0.08		0.6	450	1.2	0.2	CK528AX
CK529AX¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.515	.390	.290	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	.285	.220	15	-1.5	15		0.30	0.090		0.25	275	1.6	0.06	CK531DX
CK532DX	Pentode	Power Amp.	1.25	15	Fil	5J	1.25	.285	.220	22.5	0	22.5		0.40	0.125		0.18	450	1.8	0.1	CK532DX
CK533AX	Pentode	Power Amp.	1.25	15	Fil	5J	1.5	.385	.285	22.5	0	22.5		0.36	0.09		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		0.0047	0.0014		12	20	30 ⁴	2.2	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
CK536AX¹	Pentode	Power Amp.	1.25	15	Fil	5E	1.5	.385	.285	22.5	0	22.5		0.36	0.09		0.5	400	1.8	0.075	CK536AX¹
CK537AX¹	Pentode	Power Amp.	1.25	20	Fil	5E	1.515	.390	.290	22.5	-1.5	22.5		0.45	0.12		0.22	400	3.75	0.05	CK537AX¹
CK538DX	Pentode	Voltage Amp.	0.625	15	Fil	5J	1.0	.285	.220	15	-0.625	15		0.0046	0.002		10	18	28 ⁴	2.2	CK538DX

See page 3 for reference notes — See pages 18 and 19 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.