BATTERY VALVES WITH PIN BASES

Type Number	Valve type	Maximum dimensions mm	Base (Connection reference in brackets)	Application (see p. 2)	Filament data: Heating	Filament data: Voltage Volts	Filament data: Current Amps.	Anode voltage Va Volts	Anode current Ia mA	Neg. grid bias Vg_1 Volts	Screen-grid voltage Vg_2 Volts	Screen-grid current Ig_2 mA	Voltage on grids 3 (and 5) $Vg_3(_5)$ Volts	Voltage on grid 4 Vg_4 Volts	Mutual conduct. S mA/V	Amplification factor μ	Internal resistance Ri Ohms	External anode resist. or most fav. matching imped. Ra Ohms	Output at 10 % distortion Wo Watts	Grid A.C. voltage at the indicated output Vi $V_{R.M.S.}$	Max. anode dissipation Wa_{max} Watts	Grid anode capacity Cag_1 μμF	Type Number
KF2	Variable-Mu Pentode	118×47	C35 (10)	1,2	dir.	2,0	0,2	135	3,0 appr 0,01	0 —16	135	1,0	0	—	1,3	1.3 <0,002	1400	$1,1.10^6$ $>10^7$	—	—	—	<0,01	**KF2**
								90	1,4 appr 0,01	0 —11	90	—	0	—	—	0,8 <0.002	1500	$1,9.10^6$ $>10^7$					
KF1	H.F. Pentode	118×47	C35 (10)	1, 2, 7, 8, 11	dir.	2,0	0,2	135	3,0	0	135	1,0	0	—	1,8	1,8	1600	$0,9.10^6$	—	—	—	<0,01	**KF1**
								90	1,1	0	90	—	0	—	—	1,0	1500	$1,5.10^6$					
B228	Triode	81×41	A32 (1)	7, 11	dir.	2,0	0,1	150	2,0	—2,0	—	—	—	—	1,3	1,2	28	23.000	—	—	—	5,5	**B228**
B217	Triode	81×41	A32 (1)	3, 6, 10	dir.	2,0	0,1	150	4,5	—3,0	—	—	—	—	1,4	1,3	17	13.000	—	—	—	5,5	**B217**
C243N	Power Pentode	89×51	O35 (19)	12	dir.	2,0	0,2	150	9,5	—4,5	150	—	—	—	—	2,4	—	75.000	15.000	0,58	1,5	—	**C243N**
B240	Double Triode	96×47	C35 (9)	16	dir.	2,0	0,2	150	2×1,5[1])	0	—	—	—	—	—	—	—	—	14.000[2])	1,0[9])	—	—	**B240**
B442	Tetrode	108×46	A35 (3)	1, 2	dir.	4,0	0,100	200	4,5	—1,0	100	—	—	—	0,9	0,9	350	$0,4.10^6$	—	—	—	0,005	**B442**
A442	Tetrode	105×46	A35 (3)	1, 2, 5, 7, 8, 11	dir.	4,0	0,06	200	4,0	—1,0	100	—	—	—	0,8	0,7	280	$0,4.10^6$	—	—	—	0,01	**A442**
B424	Triode	92×46	A35 (1)	3. 6, 10	dir.	4,0	0,100	200	6,0	—0,3	—	—	—	—	3,0	2,5	24	9.000	—	—	—	4	**B424**
B438	Triode	78×38	A35 (1)	7, 8, 11	dir.	4,0	0,100	200	0.2 0.05	—2,5 —2,5	—	—	—	—	2,0	—	38	170.000 400.000	$0,32.10^6$ $1,0.10^6$	—	—	4	**B438**
A415	Triode	83×42	A32 (1)	3, 6, 10	dir.	4,0	0,085	150	4,0	—4,0	—	—	—	—	2,0	1,5	15	10.000	—	—	—	4,5	**A415**
A425	Triode	83×42	A32 (1)	7, 8, 11	dir.	4,0	0,065	200	0,25 0,1	—2,5 —2,5	—	—	—	—	1,2	—	25	80.000 250.000	$0,32.10^6$ $1,0.10^6$	—	—	3	**A425**
A409	Triode	83×42	A32 (1)	3, 6, 10	dir.	4,0	0,065	150	3,5	—9,0	—	—	—	—	1,2	0,9	9	10.000	—	—	—	4	**A409**
A441N	Double-grid valve	92×46	A35b (4)	4	dir.	4,0	0.08	100	4,0	0[4])	4,0[5])	—	—	—	—	0,3[6]) 1,0[7])	—	—	—	—	—	—	**A441N**
B405	Triode	91×46	A32 (1)	12	dir.	4,0	0,15	150	11	—18	—	—	—	—	2,0	1,6	5	3.000	—	—	—	—	**B405**
B406	Triode	91×46	A32 (1)	12	dir.	4,0	0,1	150	8	—15	—	—	—	—	1,4	1,3	6	4.500	—	—	—	—	**B406**
B409	Triode	91×46	A32 (1)	12	dir.	4,0	0,15	250	12	—16	—	—	—	—	2.0	1,8	9	5.000	12.000	0,65[9])	3	—	**B409**
B443	Power Pentode	92×51	O35 (19)	12	dir.	4,0	0,150	250	12	—17	150	—	—	—	—	1,3	—	45.000	20.000	1,35	3	—	**B443**

[1]) Quiescent anode current for both anodes.
[2]) From anode to anode.
[3]) At Va = 120 volts.
[4]) Voltage of the control grid.
[5]) Voltage of the space charge grid.
[6]) Conductance of control grid.
[7]) Conductance of space charge grid.
[8]) Without pins.
[9]) At 5 % distortion.

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