PHILIPS NEON STABILISER TUBES

Type Number	Maximum dimensions without pins mm	Base (Connection reference in brackets, see p. 12)	Running voltage at the given quiescent current Volts	Striking voltage Volts	Extinction voltage Volts	Quiescent current at the given running voltage mA	Maximum permissible current mA	Lower current limit for stabilisation mA	A.C. resistance Ohms
4357	106 × 60	A35 (XVIII)	90—100	100—110	83	20	45	10	100
4376	115 × 60	Edison (XX)	90—100	100—110	83	20	45	10	100
4377	115 × 60	Edison (XX)	105—115	130—140	104	20	45	—	80
4687	94 × 29	P26 (XVI)	90	105	85	20	40	5	180
7475	60 × 28	A25,5 (XIX)	90—110	100—135	85—110	4	8	1	300
13201	144 × 53	Ed or A40 (XX),,(XIX)	90—110	100—135	85—110	100	200	5	80

PHILIPS PHOTO-ELECTRIC CELLS

Type Number	Valve type	Maximum dimensions without pins mm	Base (in brackets base connections, see p. 12)	Anode cathode capacity Cak μμF	Norm. anode voltage Va Volts	Sensitivity μA/Lm [1])	Striking voltage Volts	Max. anode voltage Va_{max} Volts	Max. anode current Ia_{max} μA	Min. protective resistance MΩ
3510	High vacuum cell with potassium cathode	165 × 60	H (XXII)	3	100	3	—	500	3	—
3512	High vacuum cell with potassium cathode	118 × 55	A (XXI)	3	100	20	—	500	5	—
3530	High vacuum cell with caesium cathode	60 × 16	(XXIII)	5	100	150	≧140	100	3	0,1
3533	High vacuum cell with caesium cathode	60 × 25	(XXIV)	5	100	150	≧140	100	3	0,1
3534	High vacuum cell with caesium cathode	85 × 25	(XXV)	5	100	150	≧140	100	3	0,1

[1]) Measured with a tungsten filament lamp. The temperature of the tungsten filament is 2600° K and the light current measured statically is 0·05 lumen.

PHILIPS GASFILLED TRIODES FOR TIME BASE UNITS

Type Number	Gasfilled	Maximum dimensions mm	Base (in brackets base connection, see p. 12)	Indirect heating		Capacity between			Arc-voltage (Extinction voltage) Volts	Max. peak value of voltage between 2 electrodes Volts	Max. peak value of anode voltage Volts	Max. peak value of anode current mA	Maximum value of mean anode current in oscillating condition mA [1])	Minimum resistance in grid circuit per volt peak voltage at grid Ω	Maximum resistance in grid circuit Rg_{max} MΩ	Maximum voltage between filament & cathode Volts [2])	Ratio between striking voltage and grid voltage	Maximum attainable frequency c/sec	Type Number
				Voltage Volts	Current Amps.	Grid & anode Cag μμF	Anode & cathode Cak μμF	Grid & cathode Cgk μμF											
4686	Argon	100 × 37	P30 (IX)	4,0	1,2	2,2	3,2	3,8	about 17	350	300	300	3	1000	0,5	100	21	50.000	**4686**
4690	Helium	100 × 43	P30 (X)	4,0	1,3	3,7	2,0	3,7	about 50	600	500	750	10	1000	0,5	100	40	150.000	**4690**

[1]) In a time-base circuit. [2]) Cathode always positive with respect to the filament.

PHILIPS AMPLIFIER VALVES FOR SPECIAL PURPOSES

Type Number	Valve type and application	Maximum dimensions without pins mm	Base (Connection reference in brackets see p. 12)	Filament data			Max. anode voltage Va_{max} Volts	Anode current Ia mA	Neg. grid bias Vg_1 Volts	Screen-grid voltage Vg_2 Volts	Voltage on 3rd grid Vg_3 Volts	Screen-grid current Ig_2 mA	Conduct. at operating point S mA/V	Amplification factor μ	Internal resistance Ri Ohms	Grid current of 1st grid Ig_1 μA	Capacity between			Type Number
				Heating	Voltage Volts	Current Amps.											Anode and 1st grid Cag_1 μμF	Anode and cathode Cak μμF	1st grid and cathode Cgk μμF	
C408	Triode for valve voltmeter and other measuring instruments	150 × 58	A 35 (XI)	dir.	4,0	0,25	150	14	—7	—	—	—	2,7	8	3000	—	—	—	—	**C408**
4060	Electrometer triode	152 × 59	H 35 (XII)	dir.	about 0,5—0,7	1,0	4	—	—2,5	—	—	—	0,028	0,5	—	$<10^{-14}$	—	—	—	**4060**
4671	Triode for ultra short wave sets	35 × 26	without base (XIII)	indir.	6,3	0,15	200	4,5	—6	—	—	—	2,0	25	12500	—	1,4	0,6	1,0	**4671**
4672	Pentode for ultra short wave sets	48 × 26	without base (XIV)	indir.	6,3	0,15	250	2,0	—3	100	0	0,7	1,4	5000	$3,5.10^6$	—	<0,007	3,0	2,7	**4672**
4695	Variable-Mu Pentode for ultra short wave sets	48 × 26	without base (XIV)	indir.	6,3	0,15	250	5,5	—3 —45	100	0	1,8	1,8	1440	$0,8.10^6$ $>10^7$	—	<0,007	3,5	2,7	**4695**
4673	Pentode for television receivers	118 × 47	P 30 (VIII)	indir.	4,0	0 15	250	8,0	—2,5	200	0	1,5	5,0	—	$>1,5.10^6$	—	<0,012	7,5	9,6	**4673**