



ELECTRONIC TUBE REFERENCE

HL94

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Pentode designed for output, amplifier, or modulator service. Manufacturer documentation provides heater data, electrical ratings, operating limits, and characteristics for power-capable applications.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	30 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
TRANSCONDUCTANCE	0.0092 S
MAXIMUM PLATE DISSIPATION	7.5 W
Published ratings/characteristics are also preserved as parameter rows.	

Pentode for output, amplifier, or modulator service. Electrical ratings, heater data, operating limits, and published characteristics are captured from the supplied datasheet.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1999 Philips E-Z

Published test conditions and operating points. Values on this page are preserved as reported by this source.

1999 PHILIPS E-Z

Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Chauffage: indirect par C.A, ou C,C. Ve =	307 V	Chauffage: indirect par C.A, ou C,C. Ve = 307V
alimentation serie T	150 mA	alimentation serie T - 150 mA
Capacitances Ca =	5.8 pF	Capacitances Ca = 5.8 pF
Kapazitdten Ca N	12 pF	Kapazitdten Ca N 12 pF
Cag, =	0.3 pF	Cag, = 0,3 pF
Kenndaten Va	100 V	Kenndaten Va - 100 V
Vgo =	100 V	Vgo = 100V
Vg, = =6,7V	6.7 V	Vg, = =6,7V
Ia =	43 mA	Ia = 43 mA
Iga =	3 mA	Iga = 3 mA.
Chauffage: indirect par C,JA. ou c.C. Vp =	30 V	Chauffage: indirect par C,JA. ou c.C. Vp = 30V
Ip =	150 mA	Ip = 150 mA
Capacitances Ca	5.8 pF	Capacitances Ca 5.8 pF
Capa01tes	12 pF	Capa01tes 12 pF
Cags	0.3 PF	Cags 0,3 PF
Corr	0.4 pF	Corr 0,4 pF
Ve =	100 v	Ve = 100 v
Vs =	-6.7 v	Vs = -6,7 v
vy =	4.3 V	vy = 0 0,55 4,3 Verf
I =	43 mA	I = 43 - 43,0 mA
Tea =	1 mA	Tea = 3 - t1 mA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
[0S =	0 S	[0S = - 0,05 1,9 W
[0S =	1.9 W	[0S = - 0,05 1,9 W
Vag = max	550 V	Vag = max. 550V
Va = pax	150 V	Va = pax. 150V
Wa = max	7.5 W	Wa = max. 7,5 W
Ve o = max,	550 V	Ve o = max, 550V
Vo = ax	150 v	Vo = ax. 150 v
Weo = max	1.5 W	Weo = max. 1,5 W
""gzp = max	2.5 W	""gzp = max. 2,5 W
Iy = max	100 mA	Iy = max. 100 mA
Vkf = max	150 V	Vkf = max. 150 V
Va =	100 v	Va = 100 v
Vg1 =	-6.7 v	Vg1 = -6,7 v
Vy =	4.3 V	Vy = 0 0,55 4,3 Veff
Ia =	43 mA	Ia = 43 - 43,0 mA
gz =	11 mA	gz = 3 - 11 mA
W, =	1.9 W	W, = - 0,05 1,9W
Vag = max.,	550 V	Vag = max., 550V
Va = max	150 v	Va = max. 150 v
Wa = max	5 W	Wa = max. 7+5 W
Vea g = max	550 V	Vea g = max. 550 V
Vgz = max,	150 v	Vgz = max, 150 v
W =max,	1.5 W	W =max, 1,5 W
Wg;zp = max	2.5 W	Wg;zp = max. 2,5 W
Ik = max	100 mA	Ik = max. 100 mA
Vkf = max	150 v	Vkf = max. 150 v
4.4.1955 A	4.1955 A	4.4.1955 A
0sz (A% o0z	0 s	0sz (A% o0z 0sl 00l 0S 0
0sz (A% o0z	0 S	0sz (A% o0z 0sl 00l 0S 0
9 A00I=%	9 A	9 A00I=%
5 A	5 A	5 A 1955.04.04



TUBE TINKER

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