



ELECTRONIC TUBE REFERENCE

EL11N

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

CONSOLIDATED TECHNICAL
DATA

1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for audio-frequency power amplification in single-ended or push-pull output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 900 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	9 W
MAXIMUM SCREEN DISSIPATION	1.2 W
MAXIMUM CATHODE CURRENT	55 mA
<i>Power output pentode</i>	

Indirectly heated power output pentode, companion designation to EL11 on the combined Philips sheet, intended for audio-frequency output service.

SOURCE OPERATING CONDITIONS

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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Cbauffage id., courant alternatif, alimen- Vf	6.3 V	—
Wo (dtot = 10%)	4.5 W	—
Vi (dtot = 10%)	4.2 V	—
Vi (Wo [1])	50 mW	—
Vi (Wo [2])	0.33 V	—
Vgl (Igl = + [1])	0.3 μ A	—
Vgl (Igl = + [2])	-1.3 V	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Va	250 V	—
Vgl	250 V	—
Vgl	-6 V	—
is	36 mA	—
Ig2	4 mA	—
Rk 1500	9 mA/V	—
Vao max	550 V	—
Va max	250 V	—
Wa max	9 W	—
Vg2o max	550 V	—
Vg2 max	275 V	—
Wg2 (Vi = 0) max	1.2 W	—
Wg2 (Wo max) max	2.5 W	—

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ik max	55 mA	—

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