



ELECTRONIC TUBE REFERENCE

EL50

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

High-voltage output pentode designed primarily for Class-B audio power amplification, with published push-pull operating data and plate ratings reaching approximately 800 V.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.35 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
MAXIMUM PLATE VOLTAGE	800 V
<i>High-voltage output pentode for Class B audio service</i>	

EL50 is a high-voltage output pentode for class b audio service. The supplied Philips datasheet was read for heater data, limiting ratings, characteristic constants, operating conditions, capacitances, and application-specific output data.

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
Class B plate supply voltage	800 V	ClassB PushPull
Class B screen supply voltage	400 V	ClassB PushPull
Class B output power	80 W	ClassB PushPull

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-grid capacitance	0.8 pF	Maximum

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