

ELECTRONIC TUBE REFERENCE

EL844

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

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

EL844 audio-frequency output pentode. Manufacturer documentation identifies it as a dedicated low-frequency power tube for amplifier output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	6.3 V / 760 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	100000 Ω
TRANSCONDUCTANCE	0.0065 S
MAXIMUM PLATE VOLTAGE	300 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	9 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	60 mA
Image-only JJ Electronic sheet read visually; R.F. output pentode with 9 W plate dissipation limit.	

The source identifies this device as EL844 A. F. output pentode.



SOURCE OPERATING CONDITIONS

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

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Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	250 V	—
Typical Screen Voltage	250 V	—
TypicalControlGridVoltage	-7.2 V	—
Typical Plate Current	10 mA	—
Typical Screen Current	1.5 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Capacitance	6.6 pF	—
GridCapacitance	10.8 pF	—
GridPlateCapacitance	0.1 pF	—
GridFilamentCapacitance	0.15 pF	—



SOURCE OPERATING CONDITIONS

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Section 1 · Pentode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Uf	6.3 V	Published value

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
If	760 mA	Published value
Ua	300 V	Published value
Ug2	300 V	Published value
Ug1	-100 V	Published value
Wa	9 W	Published value
Wg2	2 W	Published value
Ik	60 mA	Published value
Uk/f	100 V	Published value
Rg1	1 MΩ	Published value
Rg1	0.5 MΩ	Published value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Ua	250 V	Published value
Ug2	250 V	Published value
Ug1	-7.3 V	Published value
Ia	10 mA	Published value
Ig2	1.5 mA	Published value
S	6500 μS	Published value

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