



ELECTRONIC TUBE REFERENCE

E34L

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

E34L/EL34-family audio-frequency output pentode. Manufacturer documentation identifies it as a dedicated power-output tube for low-frequency amplifier stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.5 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.011 S
AMPLIFICATION FACTOR	11
MAXIMUM PLATE VOLTAGE	800 V
MAXIMUM SCREEN VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	25 W
MAXIMUM SCREEN DISSIPATION	8 W
MAXIMUM CATHODE CURRENT	150 mA
<i>Promoted from published typical characteristics and limiting values in E34L.pdf; repeated identical physical sections are compressed where applicable.</i>	

The source identifies this device as EL34, E34L a. f. output pentode.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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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
U _f	6.3 V	Published value
I _f	1.5 A	Published value

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
U _a	250 V	Published value
U _{g3}	0 V	Published value
U _{g2}	265 V	Published value

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
I _a	100 mA	Published value
I _{g2}	14.9 mA	Published value
S	11000 μS	Published value
R _i	15 kΩ	Published value
μ _{g2/g1}	11	Published value

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