

ELECTRONIC TUBE REFERENCE

EL34EH

Power - Pentode (NOT beam) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION  
CONSTRUCTION  
PENTODE

Modern EL34-family output pentode for high-fidelity and other audio power amplifiers.

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

|                                                                          |          |
|--------------------------------------------------------------------------|----------|
| SECTION1 Pentode                                                         |          |
| TRANSCONDUCTANCE                                                         | 0.0123 S |
| MAXIMUM PLATE VOLTAGE                                                    | 800 V    |
| MAXIMUM SCREEN VOLTAGE                                                   | 500 V    |
| MAXIMUM PLATE DISSIPATION                                                | 25 W     |
| MAXIMUM SCREEN DISSIPATION                                               | 8 W      |
| Published ratings and characteristics promoted from the approved source. |          |

Output pentode for low-frequency power amplification in HI-FI audio output stages.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 2026 Electro Harmonix

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

## 2026 ELECTRO HARMONIX

## Section 1 · Pentode

## OTHER

| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
|-------------------------|-----------------|------------------|
| Cathode Current Maximum | 150 mA          | —                |

## TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,  
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker