



## ELECTRONIC TUBE REFERENCE

## 300BEH

Power - Triode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Electro-Harmonix directly heated 300B-family power triode for low-frequency Class A amplification. With roughly 40 W plate dissipation, published single-ended conditions provide several watts of audio output while retaining traditional low-mu 300B behavior.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 5 V / 1.25 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                          |          |
|--------------------------------------------------------------------------|----------|
| SECTION 1 Triode                                                         |          |
| TRANSCONDUCTANCE                                                         | 0.0045 S |
| AMPLIFICATION FACTOR                                                     | 3        |
| MAXIMUM PLATE VOLTAGE                                                    | 450 V    |
| MAXIMUM PLATE DISSIPATION                                                | 40 W     |
| Published ratings and characteristics promoted from the approved source. |          |

Directly heated power triode with coated filament for low-frequency power amplification.

## 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 · Triode

| OTHER                   |                 |                             |
|-------------------------|-----------------|-----------------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE            |
| Cathode Current Maximum | 100 mA          | —                           |
| Power Output            | 8 W             | Plate 303 V; ClassA;OneTube |