



## ELECTRONIC TUBE REFERENCE

## E424N

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Philips triode for general amplification; available source material does not establish a narrower functional application confidently.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 4 V / 1 A         | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                             |          |
|---------------------------------------------|----------|
| SECTION 1 Triode                            |          |
| TRANSCONDUCTANCE                            | 0.0035 S |
| AMPLIFICATION FACTOR                        | 30       |
| MAXIMUM PLATE DISSIPATION                   | 2 W      |
| Philips indirectly heated triode amplifier. |          |

E424N is a Triode device in the supplied Philips literature. Philips indirectly heated triode amplifier.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1938 Philips Miniwatt Vacuum Tube Catalog

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

## 1938 PHILIPS MINIWATT VACUUM TUBE CATALOG

## Section 1 · Triode

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Plate voltage             | 200 V           | ClassA           |
| Plate current             | 6 mA            | ClassA           |
| Grid bias                 | -3 V            | ClassA           |
| Maximum anode dissipation | 2 W             | —                |

| CHARACTERISTIC       |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Transconductance     | 3.5 mA/V        | ClassA           |
| Amplification factor | 30              | ClassA           |
| Internal resistance  | 12500 ohm       | ClassA           |



## 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 · Triode

| OTHER                |                 |                  |
|----------------------|-----------------|------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
| Normal plate current | 6 mA            | —                |
|                      |                 |                  |

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|-----------|-----------------|------------------|
| Grid bias | -3.5 V          | —                |

| CHARACTERISTIC           |                    |                  |
|--------------------------|--------------------|------------------|
| PARAMETER                | PUBLISHED VALUE    | CONDITION / NOTE |
| Maximum transconductance | 3500 $\mu\text{S}$ | —                |
| Anode-grid capacitance   | 2 pF               | —                |