



## ELECTRONIC TUBE REFERENCE

# EBC11

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL  
DATA

**3 SECTIONS**

CONSTRUCTION

**DIODE-DIODE-TRIODE**

Double-diode triode combining receiver detection and control-voltage rectification with audio-frequency voltage amplification. Paired diodes handle detector and AVC functions while the triode amplifies the recovered audio signal.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 6.3 V / 200 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Dissimilar    |

## SECTION RATINGS

### SECTION1 Diode

*No fixed ratings recorded.*

*Published Telefunken ratings and characteristics promoted from the supplied source.*

### SECTION2 Diode

|                        |        |
|------------------------|--------|
| MAXIMUM PLATE VOLTAGE  | 200 V  |
| NOMINAL OUTPUT CURRENT | 0.8 mA |

*Published Telefunken ratings and characteristics promoted from the supplied source.*

| SECTION3 Triode                                                                            |                |
|--------------------------------------------------------------------------------------------|----------------|
| PLATE RESISTANCE                                                                           | 10000 $\Omega$ |
| TRANSCONDUCTANCE                                                                           | 0.0022 S       |
| AMPLIFICATION FACTOR                                                                       | 25             |
| MAXIMUM PLATE VOLTAGE                                                                      | 300 V          |
| MAXIMUM PLATE DISSIPATION                                                                  | 1.5 W          |
| MAXIMUM CATHODE CURRENT                                                                    | 10 mA          |
| <i>Published Telefunken ratings and characteristics promoted from the supplied source.</i> |                |

Double-diode triode for detector, AVC, and audio-frequency amplifier service.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1959 Telefunken

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

## 1959 TELEFUNKEN

## Section 1 · Diode

| CHARACTERISTIC |                 |                  |
|----------------|-----------------|------------------|
| PARAMETER      | PUBLISHED VALUE | CONDITION / NOTE |
| Heater Voltage | 6.3 V           | —                |
| Heater Current | 200 mA          | —                |



## 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 2 · Diode

| OTHER                      |                 |                  |
|----------------------------|-----------------|------------------|
| PARAMETER                  | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum diode current      | 0.8 mA          | —                |
| Maximum diode peak voltage | 200 V           | —                |

## 1999 PHILIPS E-Z

## Section 3 · Triode

| CHARACTERISTICS       |                 |                  |
|-----------------------|-----------------|------------------|
| PARAMETER             | PUBLISHED VALUE | CONDITION / NOTE |
| Heater voltage        | 6.3 V           | —                |
| Heater current        | 200 mA          | —                |
| Typical plate voltage | 250 V           | —                |
| Transconductance      | 2200 $\mu$ S    | —                |

| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE |
|----------------------|-----------------|------------------|
| Amplification factor | 25              | —                |
| Plate resistance     | 11500 ohm       | —                |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Maximum plate voltage     | 300 V           | —                |
| Maximum plate dissipation | 1.5 W           | —                |

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