



## ELECTRONIC TUBE REFERENCE

## DA2

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA

## 1 SECTION

CONSTRUCTION

## TRIODE

Directly heated low-voltage triode for voltage-amplifier or output service in compact battery equipment such as hearing aids.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 2 V / 50 mA       | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                     |                |
|-----------------------------------------------------|----------------|
| SECTION 1 Triode                                    |                |
| PLATE RESISTANCE                                    | 13600 $\Omega$ |
| TRANSCONDUCTANCE                                    | 0.0005 S       |
| AMPLIFICATION FACTOR                                | 6.9            |
| MAXIMUM PLATE VOLTAGE                               | 100 V          |
| Promoted characteristics from 40 V operating point. |                |

Directly heated low-voltage triode intended as a voltage amplifier or output valve in compact equipment such as hearing aids, with operating data at 20 V and 40 V anode voltage.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1963 Mullard

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

## 1963 MULLARD

## Section 1 · Triode

| OTHER                           |                 |                      |
|---------------------------------|-----------------|----------------------|
| PARAMETER                       | PUBLISHED VALUE | CONDITION / NOTE     |
| Anode voltage                   | 20 V            | V <sub>a</sub> =20 V |
| Anode current                   | 0.5 mA          | V <sub>a</sub> =20 V |
| Grid voltage                    | -0.9 V          | V <sub>a</sub> =20 V |
| Anode voltage                   | 40 V            | V <sub>a</sub> =40 V |
| Anode current                   | 1.25 mA         | V <sub>a</sub> =40 V |
| Grid voltage                    | -2.15 V         | V <sub>a</sub> =40 V |
| Plate voltage maximum           | 100 V           | —                    |
| Grid circuit resistance maximum | 1 Mohm          | —                    |

| CHARACTERISTIC       |                 |                      |
|----------------------|-----------------|----------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE     |
| Transconductance     | 350 uS          | V <sub>a</sub> =20 V |
| Plate resistance     | 18900 ohm       | V <sub>a</sub> =20 V |
| Amplification factor | 6.6             | V <sub>a</sub> =20 V |
| Transconductance     | 500 uS          | V <sub>a</sub> =40 V |
| Plate resistance     | 13600 ohm       | V <sub>a</sub> =40 V |
| Amplification factor | 6.9             | V <sub>a</sub> =40 V |

| CAPACITANCE               |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Anode-to-grid capacitance | 1.4 pF          | —                |
| Input capacitance         | 3.4 pF          | —                |
| Output capacitance        | 5.4 pF          | —                |

## TUBE TINKER

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and their source documents.

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