



## ELECTRONIC TUBE REFERENCE

## ME1401

Voltage - Triode (under 100V) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

TRIODE

Subminiature electrometer triode for extremely low-grid-current DC measurement and very-high-input-resistance instrumentation.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | —             |
| NOMINAL HEATER      | 1.25 V / 13 mA    | PARALLEL HEATER      | — / —         |
| HEATING             | Direct            | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Similar       |

## SECTION RATINGS

|                                                                                                                                       |           |
|---------------------------------------------------------------------------------------------------------------------------------------|-----------|
| SECTION1 Triode                                                                                                                       |           |
| TRANSCONDUCTANCE                                                                                                                      | 0.00008 S |
| AMPLIFICATION FACTOR                                                                                                                  | 2         |
| MAXIMUM PLATE VOLTAGE                                                                                                                 | 25 V      |
| Published ratings/characteristics promoted where clearly stated; repeated identical rectifier sections compressed to one section row. |           |

SUBMINIATURE TRIODE ELECTROMETER Subminiature electrometer triode with a grid current MEI1401 of 10134, FILAMENT Suitable for d.c. operation only. Vi 1.25 \ It 13 mA MOUNTING POSITION Any CAPACITANCES » Cag 2.0 pF Cg..f 0.6 pF Ca t 0.8 pF CHARACTERISTICS (All voltages are with The supplied datasheet publishes electrical ratings and characteristics for this triode device.



## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1953 La Radiotechnique

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

1953 LA RADIOTECHNIQUE

## Section 1 · Triode

**CHARACTERISTICS**

| PARAMETER        | PUBLISHED VALUE   | CONDITION / NOTE                |
|------------------|-------------------|---------------------------------|
| Heater voltage   | 1.25 V            | Published nominal value         |
| Heater current   | 13 mA             | Published nominal value         |
| Transconductance | 80 $\mu$ S        | Published typical/nominal value |
| Grid current     | —0.00000000125 mA | Dark condition; published range |

**CAPACITANCE**

| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------|-----------------|------------------|
| Anode-grid capacitance | 2 pF            | Published        |



## 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            |
|----------------------------|-----------------|-----------------------------|
| Heater or filament voltage | 1.25 V          | —                           |
| Heater or filament current | 13 mA           | —                           |
| MaxPlateVoltage            | 25              | Promoted field source value |

| CHARACTERISTIC       |                 |                             |
|----------------------|-----------------|-----------------------------|
| PARAMETER            | PUBLISHED VALUE | CONDITION / NOTE            |
| Transconductance     | 0.00008         | Promoted field source value |
| Amplification Factor | 2               | Promoted field source value |

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