

ELECTRONIC TUBE REFERENCE

M8098

Voltage Regulator electronic tube

CONSOLIDATED TECHNICAL DATA  
1 SECTION  
CONSTRUCTION  
VOLTAGEREGULATOR

Special-quality rugged gas-filled reference tube providing approximately 85 V for equipment exposed to mechanical shock and vibration.

GENERAL CHARACTERISTICS

|                     |                        |                      |               |
|---------------------|------------------------|----------------------|---------------|
| BASE DESIGNATION    | —                      | BASE PINS            | 7             |
| NOMINAL HEATER      | — / —                  | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect; cold cathode | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes      | SECTION CONSTRUCTION | Similar       |

SECTION RATINGS

|                            |       |
|----------------------------|-------|
| SECTION1 Voltage Regulator |       |
| REGULATOR VOLTAGE          | 85 V  |
| MINIMUM REGULATOR CURRENT  | 1 mA  |
| MAXIMUM REGULATOR CURRENT  | 10 mA |
| STARTING VOLTAGE           | 115 V |
| MAINTAINING VOLTAGE        | 85 V  |
| DYNAMIC IMPEDANCE          | 300 Ω |
| Gas-discharge device.      |       |

SPECIAL QUALITY VOLTAGE REFERENCE TUBE M Special quality 85V gas-filled voltage reference tube for use in equipment where mechanical vibration and shocks are unavoidable. PRELIMINARY DATA This data should be read in conjunction with the GENERAL NOTES— SPECIAL QUALITY VOLTAGE STABILISER & REFERENCE TUBES which The supplied datasheet publishes electrical ratings and characteristics for this voltagereregulator device.



## SOURCE OPERATING CONDITIONS

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# 1963 Mullard

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

## 1963 MULLARD

## Section 1 · Voltage Regulator

| CHARACTERISTIC              |                 |                             |
|-----------------------------|-----------------|-----------------------------|
| PARAMETER                   | PUBLISHED VALUE | CONDITION / NOTE            |
| RegulatorVoltage            | 85              | Promoted field source value |
| RegulatorCurrentMinimum     | 0.001           | Promoted field source value |
| RegulatorCurrentMaximum     | 0.01            | Promoted field source value |
| RegulatorStartingVoltage    | 115             | Promoted field source value |
| RegulatorMaintainingVoltage | 85              | Promoted field source value |
| RegulatorDynamicImpedance   | 300             | Promoted field source value |
| Maintaining voltage         | 85 V            | —                           |

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Preferred burning current | 6 mA            | —                |



## SOURCE OPERATING CONDITIONS

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# 1971 Mullard Gas Filled Tubes

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

## 1971 MULLARD GAS FILLED TUBES

## Section 1 · Voltage Regulator

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Ignition/striking voltage | 115 V           | —                |
| Minimum cathode current   | 1 mA            | —                |

| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
|-------------------------|-----------------|------------------|
| Maximum cathode current | 10 mA           | —                |

| CHARACTERISTIC         |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Incremental resistance | 450 ohm         | —                |

## TUBE TINKER

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and their source documents.

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