ELECTRONIC TUBE REFERENCE

# 5734

Voltage - Triode (single) electronic tube

CONSOLIDATED TECHNICAL DATA
**1 SECTION**
CONSTRUCTION
**TRIODE**

Mechano-electronic triode transducer that converts mechanical vibration or displacement into corresponding electrical current variations for industrial measurement and sensing applications.

## General characteristics

| | | | |
|---|---|---|---|
| **BASE DESIGNATION** | MT2-1/4 | **BASE PINS** | 4 |
| **NOMINAL HEATER** | 6.3 V / 150 mA | **PARALLEL HEATER** | — / — |
| **HEATING** | Indirect | **SERIES OPERATION** | Not specified |
| **CATHODE ARRANGEMENT** | Separate cathodes | **SECTION CONSTRUCTION** | Similar |

## Section ratings

**SECTION1** Triode

| | |
|---|---|
| **PLATE RESISTANCE** | 72000 Ω |
| **TRANSCONDUCTANCE** | 0.000275 S |
| **AMPLIFICATION FACTOR** | 20 |
| **MAXIMUM PLATE VOLTAGE** | 300 V |
| **MAXIMUM PLATE DISSIPATION** | 0.4 W |
| **MAXIMUM CATHODE CURRENT** | 5 mA |

*Electrical section extracted from supplied datasheet.*

Mechano-electronic triode transducer for converting mechanical vibration into electrical current variations.

SOURCE OPERATING CONDITIONS

SOURCE PDF

# 1960 RCA Industrial and Communications Types

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

1960 RCA INDUSTRIAL AND COMMUNICATIONS TYPES

## Section 1 · Triode

| APPLICATION | | |
|---|---|---|
| **PARAMETER** | **PUBLISHED VALUE** | **CONDITION / NOTE** |
| Application | **Mechanical-vibration transducer** | — |

| CHARACTERISTICS | | |
|---|---|---|
| **PARAMETER** | **PUBLISHED VALUE** | **CONDITION / NOTE** |
| Minimum free cantilever resonance | **2000 Hz** | — |

SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

# 1971 RCA HB3 Binder 3 of 7

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

1971 RCA HB3 BINDER 3 OF 7

## Section 1 · Triode

| OTHER | | |
|---|---|---|
| **PARAMETER** | **PUBLISHED VALUE** | **CONDITION / NOTE** |
| Maximum plate voltage | **——300 V** | — |
| Maximum plate dissipation | **——0.4 W** | — |
| Maximum cathode current | **——5 mA** | — |
| DC plate-supply voltage | **300 V** | — |
| DC grid voltage | **0 V** | — |
| Amplification factor | **20** | — |

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Plate resistance | **72000 Ω** | — |
| Transconductance | **275 µS** | — |
| DC plate current | **1.5 mA** | — |
| Load resistance | **75000 Ω** | — |
| Deflection sensitivity | **40 V/degree** | — |
| Deflection sensitivity | **12300 V/rad** | — |

## CHARACTERISTICS

| PARAMETER | PUBLISHED VALUE | CONDITION / NOTE |
|---|---|---|
| Plate resistance | **72000 Ω** | — |
| Transconductance | **275 µS** | — |
| Amplification factor | **20** | — |


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