



## ELECTRONIC TUBE REFERENCE

## ACTP

Voltage Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

PENTODE-TRIODE

Triode-pentode self-oscillating frequency changer for AC-mains radio receivers.

## GENERAL CHARACTERISTICS

|                     |                   |                      |               |
|---------------------|-------------------|----------------------|---------------|
| BASE DESIGNATION    | —                 | BASE PINS            | 7             |
| NOMINAL HEATER      | 4 V / 1.25 A      | PARALLEL HEATER      | — / —         |
| HEATING             | Indirect          | SERIES OPERATION     | Not specified |
| CATHODE ARRANGEMENT | Separate cathodes | SECTION CONSTRUCTION | Dissimilar    |

## SECTION RATINGS

|                                    |          |
|------------------------------------|----------|
| SECTION1 Pentode                   |          |
| TRANSCONDUCTANCE                   | 0.0034 S |
| MAXIMUM PLATE VOLTAGE              | 250 V    |
| MAXIMUM SCREEN VOLTAGE             | 250 V    |
| Variable-mu pentode mixer section. |          |

|                            |          |
|----------------------------|----------|
| SECTION2 Triode            |          |
| TRANSCONDUCTANCE           | 0.0014 S |
| AMPLIFICATION FACTOR       | 30       |
| MAXIMUM PLATE VOLTAGE      | 200 V    |
| MAXIMUM CATHODE CURRENT    | 2 mA     |
| Oscillator triode section. |          |

Indirectly heated triode-pentode designed as a self-oscillating frequency changer; the two sections share a

common cathode.

## SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

# 1960 Mazda

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

1960 MAZDA

## Section 1 · Pentode

| CHARACTERISTICS                |                     |                  |
|--------------------------------|---------------------|------------------|
| PARAMETER                      | PUBLISHED VALUE     | CONDITION / NOTE |
| Maximum conversion conductance | 900 $\mu\text{A/V}$ | —                |
| Plate resistance               | 900000 $\Omega$     | —                |

  

| OTHER                  |                 |                  |
|------------------------|-----------------|------------------|
| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
| Typical anode voltage  | 250 V           | —                |
| Typical screen voltage | 200 V           | —                |
| Typical anode current  | 6.5 mA          | —                |
| Typical screen current | 2.5 mA          | —                |

  

| CAPACITANCE             |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Anode-earth capacitance | 8 pF            | —                |
| Grid-earth capacitance  | 7.75 pF         | —                |

1960 MAZDA

## Section 2 · Triode

| OTHER                     |                 |                  |
|---------------------------|-----------------|------------------|
| PARAMETER                 | PUBLISHED VALUE | CONDITION / NOTE |
| Recommended anode voltage | 150 V           | —                |

  

| CAPACITANCE             |                 |                  |
|-------------------------|-----------------|------------------|
| PARAMETER               | PUBLISHED VALUE | CONDITION / NOTE |
| Anode-earth capacitance | 4 pF            | —                |
| Grid-earth capacitance  | 5.25 pF         | —                |

| PARAMETER              | PUBLISHED VALUE | CONDITION / NOTE |
|------------------------|-----------------|------------------|
| Anode-grid capacitance | 2.5 pF          | —                |