



ELECTRONIC TUBE REFERENCE

ACS2PEN

Voltage - Radio Detector Converter electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

PENTODE

Mazda high-slope screened pentode for AC mains receivers. Manufacturer documentation supports frequency-changer, detector, and amplifier service, giving it broader functionality than a conventional RF pentode.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Pentode	
TRANSCONDUCTANCE	0.0058 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	150 V

High-slope screened pentode for A.C. mains receivers, usable as a frequency changer, detector or amplifier.

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
Conversion conductance	1700 $\mu\text{A/V}$	FrequencyChanger

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical anode voltage	250 V	—
Typical screen voltage	120 V	—
Peak heterodyne voltage	3.5 V	—

CAPACITANCE

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-earth capacitance	13.5 pF	—
Anode-earth capacitance	8.75 pF	—
Anode-grid capacitance	0.009 pF	—

TUBE TINKER

An independent reference for electronic tubes, vacuum tubes,
and their source documents.

[Catalog](#) [Tube types](#) [Full books](#) [Blog](#) [Feedback & corrections](#)

© 2026 Tube Tinker