



ELECTRONIC TUBE REFERENCE

ACHLDD

Voltage - Triode (with diode, heptode or hexode) electronic tube

CONSOLIDATED TECHNICAL
DATA

3 SECTIONS

CONSTRUCTION

DIODE-DIODE-TRIODE

Combination receiving valve incorporating detector diodes with a triode voltage-amplifier section. It combines demodulation and low-level audio amplification within one envelope, reducing the number of separate receiver valves.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 1 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Diode

No fixed ratings recorded.

Detector/AVC diode on common cathode sleeve.

SECTION2 Diode

No fixed ratings recorded.

Detector/AVC diode on common cathode sleeve.

SECTION3 Triode	
PLATE RESISTANCE	13800 Ω
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	36
MAXIMUM PLATE VOLTAGE	250 V
<i>Triode amplifier section.</i>	

Mazda AC/HL.DD combines two separate diodes with a triode on a common cathode sleeve for detector, audio-frequency amplification and automatic-volume-control service.

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 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode 1 to earth capacitance	4 pF	—

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Section 2 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode 2 to earth capacitance	4 pF	—

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Section 3 · Triode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-earth capacitance	9.75 pF	—
Grid-earth capacitance	5 pF	—
Anode-grid capacitance	2 pF	—