



ELECTRONIC TUBE REFERENCE

PEN45DD

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

BEAMPOWER-DIODE-DIODE

Combination receiving valve integrating beam-power audio output with diode detector functions, allowing detection and loudspeaker power amplification in one envelope.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	4 V / 2 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.009 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	10 W

SECTION2 Diode	
<i>No fixed ratings recorded.</i>	

SECTION3 Diode	
<i>No fixed ratings recorded.</i>	

Beam-power output valve with an added completely screened double-diode section.

SOURCE OPERATING CONDITIONS

1960 Mazda

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

1960 MAZDA

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	250 V	—
Typical Screen Voltage	250 V	—
Typical Plate Current	40 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Earth Capacitance	12.75 pF	—
Grid Earth Capacitance	19.5 pF	—
Anode Grid Capacitance	0.7 pF	—

1960 MAZDA

Section 2 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode1 Earth Capacitance	4.5 pF	—
Diode2 Earth Capacitance	4.5 pF	—
Diode1Diode2Capacitance	0.05 pF	—

TUBE TINKER

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and their source documents.

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