



ELECTRONIC TUBE REFERENCE

PENDD4021

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

3 SECTIONS

CONSTRUCTION

BEAMPOWER-DIODE-DIODE

Combination valve integrating a beam-power audio-output section with two detector diodes for compact receiver detection, AVC, and loudspeaker-driving functions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	45 V / 200 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Common cathode	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Beam Power

TRANSCONDUCTANCE	0.012 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	10 W

SECTION2 Diode

No fixed ratings recorded.

SECTION3 Diode

No fixed ratings recorded.

Beam-power output valve incorporating a double-diode section for AC/DC receivers.

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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Plate Voltage	160 V	—
Typical Screen Voltage	175 V	—
Power Output	3.75 W	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Earth Capacitance	9.25 pF	—
Grid Earth Capacitance	18 pF	—
Anode Grid Capacitance	1.1 pF	—

1960 MAZDA

Section 2 · Diode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Diode1 Earth Capacitance	4 pF	—
Diode2 Earth Capacitance	4 pF	—
Diode1Diode2Capacitance	0.1 pF	—

TUBE TINKER

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and their source documents.

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