

ELECTRONIC TUBE REFERENCE

PEN46

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power amplifier designed for the output stage of a magnetic-scanning television time base.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	8
NOMINAL HEATER	4 V / 1.75 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION1 Beam Power	
TRANSCONDUCTANCE	0.0085 S
MAXIMUM PLATE VOLTAGE	175 V
MAXIMUM SCREEN VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	3 W
Maximum peak anode voltage 3000 V is preserved as a parameter.	

Television beam-power amplifier designed for the output stage of a magnetic-scanning time base.

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
Maximum Peak Plate Voltage	3000 V	—
Typical Plate Voltage	315 V	—
Typical Screen Voltage	210 V	—
Typical Plate Current	63 mA	—
Typical Screen Current	14 mA	—
MaximumAvailableOutput	25 VA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode Earth Capacitance	6 pF	—
Grid Earth Capacitance	22 pF	—
Anode Grid Capacitance	1.25 pF	—