



ELECTRONIC TUBE REFERENCE

AC6PEN

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Mazda beam-power amplifier designed for magnetic-scanning television time-base output, providing substantial current and pulse-voltage capability for early horizontal-deflection systems.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	7
NOMINAL HEATER	4 V / 1.75 A	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.0085 S
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	3 W
Television beam-power amplifier for magnetic-scanning time-base output service.	

Television beam-power amplifier for magnetic-scanning time-base output service. The datasheet provides ratings, characteristics and application guidance for the intended 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 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum peak anode voltage	3000 V	—
Typical anode voltage single valve	310 V	—
Typical screen voltage single valve	210 V	—
Typical anode current single valve	63 mA	—
Typical screen current single valve	14 mA	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Anode-cathode/earth capacitance	7 pF	—
Grid-earth capacitance	22 pF	—
Anode-grid capacitance	1 pF	—

TUBE TINKER

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

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