



ELECTRONIC TUBE REFERENCE

30PL14

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-TRIODE

Beam-power television line-output valve designed for horizontal-deflection amplification, with pulse-rated operation and substantial current capability for flyback scanning circuits.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	16 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION 1 Beam Power	
TRANSCONDUCTANCE	0.0073 S
AMPLIFICATION FACTOR	7.5
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	8 W
MAXIMUM SCREEN DISSIPATION	2 W
MAXIMUM CATHODE CURRENT	75 mA
Output beam-tetrode section.	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	1 W
<i>Triode section.</i>	

Triode output beam-tetrode for television field-deflection circuits using 110-degree cathode-ray tubes. The supplied English-language Mazda/Thorn-AEI datasheet was used for the technical and descriptive extraction.



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
MaximumPositivePeakAnodeVoltage	2000 V	BeamPower;Pulse
MaximumNegativePeakAnodeVoltage	500 V	BeamPower;Pulse
TypicalFrameAnodeVoltage	55 V	BeamPower;FrameTimeBase
TypicalFrameScreenVoltage	170 V	BeamPower;FrameTimeBase
TypicalPeakAnodeCurrent	210 mA	BeamPower;AverageNewValve

1960 MAZDA

Section 2 · Triode

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical Anode Voltage	200 V	Triode
TypicalAnodeCurrent	10 mA	Triode



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1973 Mazda Valves Binder 2

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

1973 MAZDA VALVES BINDER 2

Section 2 · Triode

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Current Ih	3 A	—

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

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