



ELECTRONIC TUBE REFERENCE

30PL1

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

BEAMPOWER-TRIODE

Television beam-power valve designed for line-output and horizontal-deflection service, with pulse ratings and current capability suited to scanning-output stages.

GENERAL CHARACTERISTICS

BASE DESIGNATION	B9A	BASE PINS	9
NOMINAL HEATER	13 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	0.0065 S
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	5.5 W
MAXIMUM SCREEN DISSIPATION	1.5 W
Output beam-tetrode section.	

SECTION2 Triode	
PLATE RESISTANCE	5300 Ω
TRANSCONDUCTANCE	0.0034 S
AMPLIFICATION FACTOR	18
MAXIMUM PLATE VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	2 W
<i>Triode section.</i>	

Triode-output beam tetrode for television audio and field-output stages.

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
SpeechMusicMaxScreenDissipation	2.2 W	BeamPower
Typical Anode Voltage	170 V	ClassA;FixedBias;BeamPower
Typical Screen Voltage	180 V	ClassA;FixedBias;BeamPower
TypicalAnodeCurrent	28 mA	ClassA;FixedBias;BeamPower
Power Output	2 W	ClassA;FixedBias;BeamPower

1960 MAZDA

Section 2 · Triode

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

TUBE TINKER

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and their source documents.

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