



ELECTRONIC TUBE REFERENCE

PL502

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-power television line-output beam tube designed for horizontal-deflection service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	9
NOMINAL HEATER	35 V / 300 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.015 S
MAXIMUM PLATE VOLTAGE	700 V
MAXIMUM SCREEN VOLTAGE	250 V
MAXIMUM PLATE DISSIPATION	20 W
MAXIMUM SCREEN DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	250 mA
<i>Published/referenced electrical limits and characteristics promoted from the approved P-series sheet and its explicitly referenced E-series counterpart.</i>	

High-power television line-output beam tube for horizontal-deflection service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1968 Mazda Belvu

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

1968 MAZDA BELVU

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterVoltageNominal	35 V	Nominal
HeaterCurrentNominal	300 mA	Nominal
Maximum Plate Voltage	700 V	—
Maximum Screen Voltage	250 V	—
Maximum Plate Dissipation	20 W	—
Maximum Screen Dissipation	5 W	—
Maximum Cathode Current	250 mA	—
PeakPlateVoltagePulseService	8000 V	Television line-output pulse service

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Transconductance	15000 μS	Typical
Plate Resistance	15000 ohm	Typical

TUBE TINKER

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

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