



ELECTRONIC TUBE REFERENCE

PL521

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Magnoval beam-power tube designed for television horizontal-deflection amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	40A	BASE PINS	9
NOMINAL HEATER	29 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
MAXIMUM PLATE VOLTAGE	6500 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM CATHODE CURRENT	275 mA
<i>Promoted from semantically identified published ratings/characteristics; additional values preserved as section parameters.</i>	

Magnoval beam-power tube for television horizontal-deflection amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1975 RCA RC30

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

1975 RCA RC30

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak positive-pulse plate voltage	6500 V	HorizontalDeflection
Peak negative-pulse plate voltage	1660 V	HorizontalDeflection
Peak negative-pulse grid No.1 voltage	330 V	HorizontalDeflection
Grid No.1 circuit resistance	2.2 megohm	HorizontalDeflection

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	50 V	ClassA
Screen-grid voltage	200 V	ClassA
Grid No.1 voltage	-12 V	ClassA
Plate current	650 mA	ClassA;RecurrentWaveform

TUBE TINKER

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and their source documents.

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