



ELECTRONIC TUBE REFERENCE

6JN6A

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Compactron beam-power pentode designed specifically for television horizontal-deflection amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	12
NOMINAL HEATER	6.3 V / 1.2 A	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	0.0073 S
AMPLIFICATION FACTOR	4.4
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	17.5 W
MAXIMUM SCREEN DISSIPATION	3.5 W
<i>Published ratings/characteristics promoted from supplied source; additional conditions retained in parameter table.</i>	

Compactron beam-power pentode for television horizontal-deflection amplifier service.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1964 RMA EIA

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

1964 RMA EIA

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	1.2 A	—
Grid1 To Plate Capacitance	0.3 pF	—
Input Capacitance	16 pF	—
Output Capacitance	7 pF	—
Plate Voltage	250 V	—
Screen Voltage	150 V	—
Grid Voltage	-22.5 V	—
Plate Resistance	15000 ohm	—
Transconductance	7300 uS	—
Plate Current	70 mA	—
Screen Current	2.4 mA	—
TriodeAmplificationFactor	4.4	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Supply Voltage Maximum	770 V	HorizontalDeflection
Peak Positive Pulse Plate Voltage	6500 V	HorizontalDeflection
Peak Negative Pulse Plate Voltage	1500 V	HorizontalDeflection
Screen Voltage Maximum	220 V	HorizontalDeflection
Plate Dissipation Maximum	17.5 W	HorizontalDeflection
Screen Dissipation Maximum	3.5 W	HorizontalDeflection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
PeakCathodeCurrentMaximum	550 mA	HorizontalDeflection

TUBE TINKER

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

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