



ELECTRONIC TUBE REFERENCE

33JV6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Compactron beam-power pentode for television horizontal-deflection amplification, combining high transconductance with an economical 33 V, 300 mA series heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	33 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	11000 Ω
TRANSCONDUCTANCE	0.0091 S
MAXIMUM PLATE VOLTAGE	770 V
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	18 W
MAXIMUM SCREEN DISSIPATION	3.5 W
MAXIMUM CATHODE CURRENT	230 mA
<i>Published source ratings and characteristics promoted where applicable; additional electrical and operating data retained as parameters.</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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate-supply voltage maximum	770 V	—
Peak positive plate voltage maximum	6000 V	Pulse
Peak negative plate voltage maximum	-1500 V	Pulse
Beam-plate voltage maximum	70 V	—
Grid1 negative DC voltage maximum	-55 V	—
Grid1 peak negative voltage maximum	-330 V	Pulse
Peak cathode current maximum	800 mA	Pulse
Heater-cathode voltage maximum	200 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	22 pF	—
Output capacitance	9 pF	—
Grid1-to-plate capacitance	0.4 pF	—

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Typical screen voltage	130 V	—
Typical grid1 voltage	-20 V	—
Typical plate current	50 mA	—

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	TV horizontal-deflection amplifier	—

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