



ELECTRONIC TUBE REFERENCE

50JY6

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam power pentode for television horizontal deflection.

GENERAL CHARACTERISTICS

BASE DESIGNATION	—	BASE PINS	—
NOMINAL HEATER	50 V / 150 mA	PARALLEL HEATER	— / —
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 0 Beam Power	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.014 S
AMPLIFICATION FACTOR	5.6
MAXIMUM PLATE VOLTAGE	275 V
MAXIMUM SCREEN VOLTAGE	275 V
MAXIMUM PLATE DISSIPATION	13 W
MAXIMUM SCREEN DISSIPATION	5.5 W
MAXIMUM CATHODE CURRENT	220 mA
<i>Horizontal output; max peak positive plate pulse 7700 V; negative plate pulse 1650 V; typical V_a 100 V, I_a 100 mA.</i>	



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1970 Sylvania Technical Manual

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

1970 SYLVANIA TECHNICAL MANUAL

Section 0 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum plate voltage	275 V	Maximum DC plate voltage
Heater/filament voltage	50 V	Heater voltage
Heater/filament current	150 mA	Heater current

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	100 V	Typical plate voltage

TUBE TINKER

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and their source documents.

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