

ELECTRONIC TUBE REFERENCE

6CD6G

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Beam-power tube designed for television horizontal-deflection amplifier service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	5BT	BASE PINS	8
NOMINAL HEATER	6.3 V / 2.5 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

5BT - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – IS	A	IS – Internal Screen	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN3 – K	A	K – Cathode	CONNECTED
PIN5 – G1	A	G1 – Control Grid	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – G2	A	G2 – Screen Grid	CONNECTED
CAP1 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	7200 Ω
TRANSCONDUCTANCE	0.0077 S
MAXIMUM PLATE VOLTAGE	700 V
MAXIMUM SCREEN VOLTAGE	175 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	3 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Horizontal-deflection beam-power section; pulse ratings published.</i>	

Beam-power tube for television horizontal-deflection amplifier service.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1950 Sylvania

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

1950 SYLVANIA

Section 1 · Beam Power

APPLICATION

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Service	Horizontal deflection amplifier	—



SOURCE OPERATING CONDITIONS

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1958 Brimar Radio Valve No 7

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1958 BRIMAR RADIO VALVE NO 7

Section 1 · Beam Power

CHARACTERISTIC

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	2.5 A	—



SOURCE OPERATING CONDITIONS

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195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	175 V	HorizontalDeflection
Screen-grid voltage	175 V	HorizontalDeflection
Grid voltage	-30 V	HorizontalDeflection
Plate current	75 mA	HorizontalDeflection
Screen-grid current	5.5 mA	HorizontalDeflection
Plate voltage	60 V	HorizontalDeflection;Pulse
Screen-grid voltage	100 V	HorizontalDeflection;Pulse
Grid voltage	0 V	HorizontalDeflection;Pulse
Plate current	230 mA	HorizontalDeflection;Pulse
Screen-grid current	21 mA	HorizontalDeflection;Pulse
Maximum positive pulse plate voltage	6600 V	HorizontalDeflection
Maximum plate dissipation	15 W	HorizontalDeflection
Maximum screen dissipation	3 W	HorizontalDeflection
Maximum DC cathode current	200 mA	HorizontalDeflection



SOURCE DATA APPENDIX

SOURCE OPERATING CONDITIONS

SOURCE PDF

1961 Tung Sol

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1961 TUNG SOL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	2.5 A	—
Plate voltage	700 V	Typical operating conditions
Plate current	170 mA	Typical operating conditions