



ELECTRONIC TUBE REFERENCE

6CB5

Power - TV Horizontal Output (sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

High-perveance beam-power tube designed as a horizontal-deflection amplifier in color television receivers.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8GD	BASE PINS	9
NOMINAL HEATER	6.3 V / 2.5 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	5000 Ω
TRANSCONDUCTANCE	0.0088 S
AMPLIFICATION FACTOR	3.8
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	23 W
MAXIMUM SCREEN DISSIPATION	3.6 W
MAXIMUM CATHODE CURRENT	200 mA
<i>Published source values promoted where applicable.</i>	

High-perveance beam power tube designed as a horizontal-deflection amplifier in color television.



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

[SOURCE PDF](#)

1961 Tung Sol

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

1961 TUNG SOL

Section 1 · Beam Power

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	6.3 V	—
Heater current	2.5 A	—
Plate current	90 mA	Typical operating conditions



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1966 Tung Sol Electronic Tubes 2 of 4

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

1966 TUNG SOL ELECTRONIC TUBES 2 OF 4

Section 1 · Beam Power

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-plate capacitance	0.8 pF	—
Input capacitance	24 pF	—
Output capacitance	10 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak positive pulse plate voltage	6800 V	HorizontalDeflection
Peak negative pulse plate voltage	-1500 V	HorizontalDeflection
Plate voltage	175 V	ClassA
Screen voltage	175 V	ClassA
Grid #1 voltage	-30 V	ClassA
Plate current	90 mA	ClassA
Screen current	6 mA	ClassA