



ELECTRONIC TUBE REFERENCE

6DW5

Power - TV Vertical Output electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Miniature beam-power tube designed for vertical-deflection amplifier service in 110-degree television receivers operating from relatively low B-supply voltage.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9CK	BASE PINS	9
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9CK - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – G2	A	G2 – Screen Grid	CONNECTED
PIN3 – G1	A	G1 – Control Grid	CONNECTED
PIN4 – H	–	H – Heater	CONNECTED
PIN5 – H	–	H – Heater	CONNECTED
PIN6 – G1	A	G1 – Control Grid	CONNECTED
PIN7 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN7 – K	A	K – Cathode	CONNECTED
PIN9 – P	A	P – Plate (Anode)	CONNECTED

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.0055 S
AMPLIFICATION FACTOR	4.3
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM SCREEN VOLTAGE	220 V
MAXIMUM PLATE DISSIPATION	11 W
MAXIMUM SCREEN DISSIPATION	2.5 W
MAXIMUM CATHODE CURRENT	65 mA
<i>Published ratings and characteristics promoted from the approved source.</i>	

Miniature beam-power tube for vertical-deflection amplifier service in 110-degree television receivers at relatively low B-supply voltage.



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Positive Pulse Plate Voltage	2200 V	Absolute maximum
Peak Cathode Current	225 mA	—

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	55 mA	200 V plate, 150 V screen

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Grid-to-Plate Capacitance	0.5 pF	—



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

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak positive pulse plate voltage	2200 V	VerticalDeflection
Peak cathode current	225 mA	VerticalDeflection

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	VerticalDeflection;PentodeConnection
Grid 1 voltage	-22.5 V	VerticalDeflection;PentodeConnection
Grid 2 voltage	150 V	VerticalDeflection;PentodeConnection
Plate current	55 mA	VerticalDeflection;PentodeConnection
Grid 2 current	2 mA	VerticalDeflection;PentodeConnection

TUBE TINKER

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and their source documents.

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