



ELECTRONIC TUBE REFERENCE

5824

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Special beam-power amplifier related to the 25BG6 family, with published Class-A operating conditions yielding several watts of power output.

GENERAL CHARACTERISTICS

BASE DESIGNATION	7AC	BASE PINS	7
NOMINAL HEATER	25 V / 300 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

7AC - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – Pin 1	–	–	NC • verified
PIN2 – Pin 2	–	H – Heater	CONNECTED • verified
PIN3 – Pin 3	A	P – Plate (Anode)	CONNECTED • verified
PIN4 – Pin 4	A	G2 – Screen Grid	CONNECTED • verified
PIN5 – Pin 5	A	G1 – Control Grid	CONNECTED • verified
PIN7 – Pin 7	–	H – Heater	CONNECTED • verified
PIN8 – Pin 8	A	BP – Beam-Forming Plate	CONNECTED • verified
PIN8 – Pin 8	A	K – Cathode	CONNECTED • verified

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	15000 Ω
TRANSCONDUCTANCE	0.005 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	135 V
Special beam-power amplifier related to 25BG6.	

Special beam-power amplifier related to 25BG6, with published Class A operating data.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

195X General Electric Essential Characteristics

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

195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	135 V	ClassA
Screen-grid voltage	135 V	ClassA
Grid voltage	-22 V	ClassA
Plate current	61 mA	ClassA
Screen-grid current	2.5 mA	ClassA
Load resistance	1700 ohm	ClassA
Power output	4.3 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	15000 ohm	—
Transconductance	5000 uS	—

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