



ELECTRONIC TUBE REFERENCE

7695

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION

CONSTRUCTION

BEAMPOWER

Beam-power transmitting tube intended for RF amplifier and communications service, providing useful radio-frequency output from a compact power-tube construction.

GENERAL CHARACTERISTICS

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

SECTION RATINGS

SECTION 1 Beam Power	
PLATE RESISTANCE	7000 Ω
TRANSCONDUCTANCE	0.011 S
MAXIMUM PLATE VOLTAGE	150 V
MAXIMUM SCREEN VOLTAGE	150 V
MAXIMUM PLATE DISSIPATION	16 W
MAXIMUM SCREEN DISSIPATION	2.5 W

Published source values promoted where applicable; additional source values retained as parameters.

High-sensitivity beam power pentode for low-voltage audio output 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

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum signal power output	4.5 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1965 Sylvania Electronic Tubes Vol3

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

1965 SYLVANIA ELECTRONIC TUBES VOL3

Section 1 · Beam Power

CHARACTERISTICS

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater voltage	50 V	—
Heater current	150 mA	—
Transconductance	11000 μ S	—
Plate resistance	7000 ohm	—

OTHER

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage maximum	150 V	—
Grid2 voltage maximum	150 V	—
Plate dissipation maximum	16 W	—
Grid2 dissipation maximum	2.5 W	—
Class-A plate voltage	140 V	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Class-A grid2 voltage	140 V	ClassA
Class-A cathode resistor	100 ohm	ClassA
Class-A load resistance	1100 ohm	ClassA
Class-A output power	4.5 W	ClassA
Class-A THD	11 %	ClassA
Class-AB push-pull plate voltage	140 V	ClassAB,PushPull
Class-AB push-pull load plate-to-plate	1500 ohm	ClassAB,PushPull
Class-AB push-pull output power	10 W	ClassAB,PushPull
Transformerless single-ended push-pull supply voltage	280 V	ClassA,PushPull
Transformerless power output	5 W	ClassA,PushPull

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Low-voltage audio power output	—

TUBE TINKER

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