

ELECTRONIC TUBE REFERENCE

35A5

Power - Beam Single (NOT sweep) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Beam-power audio-output tube for AC/DC receiving equipment, designed for Class-A loudspeaker power from a 35 V series-string heater.

GENERAL CHARACTERISTICS

BASE DESIGNATION	6AA	BASE PINS	8
NOMINAL HEATER	35 V / 150 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

6AA - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – Pin 1	–	H – Heater	CONNECTED · verified
PIN2 – Pin 2	A	P – Plate (Anode)	CONNECTED · verified
PIN3 – Pin 3	A	G2 – Screen Grid	CONNECTED · verified
PIN4 – Pin 4	–	–	NC · verified
PIN5 – Pin 5	–	–	NC · verified
PIN6 – Pin 6	A	G1 – Control Grid	CONNECTED · verified
PIN7 – Pin 7	A	BP – Beam-Forming Plate	CONNECTED · verified
PIN7 – Pin 7	A	K – Cathode	CONNECTED · verified

TERMINAL	SECTION	ELEMENT	STATUS
PIN8 – Pin 8	–	H – Heater	CONNECTED · verified

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	34000 Ω
TRANSCONDUCTANCE	0.0055 S
MAXIMUM PLATE VOLTAGE	200 V
MAXIMUM SCREEN VOLTAGE	200 V
MAXIMUM PLATE DISSIPATION	8.5 W
MAXIMUM SCREEN DISSIPATION	1 W
Published promoted fields populated by semantic section ownership.	

Beam power amplifier for AC/DC receiver 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

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
HeaterOrFilamentVoltage	35 V	—
HeaterOrFilamentCurrent	150 mA	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum Signal Power Output	1.4 W	ClassA



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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1958 BRIMAR RADIO VALVE NO 7

Section 1 · Beam Power

APPLICATION		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Application	Audio output	—



195X General Electric Essential Characteristics

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195X GENERAL ELECTRIC ESSENTIAL CHARACTERISTICS

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	200 V	ClassA
Screen voltage	125 V	ClassA
Cathode resistor	180 Ω	ClassA
Plate current	43 mA	ClassA
Screen current	2 mA	ClassA
Load resistance	5000 Ω	ClassA
Power output	3 W	ClassA
Plate voltage	110 V	ClassA
Screen voltage	110 V	ClassA
Control-grid voltage	-7.5 V	ClassA
Plate current	40 mA	ClassA
Load resistance	2500 Ω	ClassA
Power output	1.5 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	34000 Ω	ClassA
Transconductance	6100 μS	ClassA
Plate resistance	14000 Ω	ClassA
Transconductance	5800 μS	ClassA



1961 Tung Sol

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1961 TUNG SOL

Section 1 · Beam Power

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power Output	3 W	ClassA1

TUBE TINKER

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