

ELECTRONIC TUBE REFERENCE

6BW6

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
BEAMPOWER

Miniature output beam tetrode electrically related to the 6V6 family, designed for audio power amplification and also usable for RF service to roughly 150 MHz.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9AM	BASE PINS	9
NOMINAL HEATER	6.3 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9AM - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – Pin 1	–	–	IC · verified
PIN2 – Pin 2	A	G1 – Control Grid	CONNECTED · verified
PIN3 – Pin 3	A	K – Cathode	CONNECTED · verified
PIN4 – Pin 4	–	H – Heater	CONNECTED · verified
PIN5 – Pin 5	–	H – Heater	CONNECTED · verified
PIN6 – Pin 6	–	–	NC · verified
PIN7 – Pin 7	A	P – Plate (Anode)	CONNECTED · verified
PIN8 – Pin 8	A	G2 – Screen Grid	CONNECTED · verified

TERMINAL	SECTION	ELEMENT	STATUS
PIN9 – Pin 9	A	G3 – Suppressor Grid	CONNECTED · verified

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	77000 Ω
TRANSCONDUCTANCE	0.00375 S
MAXIMUM PLATE VOLTAGE	315 V
MAXIMUM SCREEN VOLTAGE	285 V
MAXIMUM PLATE DISSIPATION	12 W
MAXIMUM SCREEN DISSIPATION	2 W
Published maximum ratings, operating characteristics, rectifier data, and capacitances reviewed.	

Miniature output beam tetrode electrically equivalent to 6V6G/GT and usable for RF service to about 150 MHz.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1958 Brimar Radio Valve No 7

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

1958 BRIMAR RADIO VALVE NO 7

Section 1 · Beam Power

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Voltage	6.3 V	—
Heater Current	450 mA	—
MaximumRFApplcationFrequency	150 MHz	Approximate



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
Maximum plate voltage	315 V	Published handbook rating
Maximum screen voltage	285 V	Published handbook rating
Plate voltage	315 V	ClassA
Screen voltage	225 V	ClassA
Control-grid bias	13 V	ClassA
Plate current	34 mA	ClassA
Screen current	1 mA	ClassA
Load resistance	8500 ohm	ClassA

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Power output	5.5 W	ClassA

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate resistance	77000 ohm	Published handbook characteristic
Transconductance	3750 μ S	Published handbook characteristic
Heater voltage	6.3 V	Published heater rating
Heater current	450 mA	Published heater rating

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