

ELECTRONIC TUBE REFERENCE

6DY7

Power - Beam (NOT sweep) electronic tube

CONSOLIDATED TECHNICAL DATA
1 SECTION
CONSTRUCTION
BEAMPOWER

Dual beam-power pentode designed for stereophonic sound systems, with two power sections usable independently or together in push-pull operation.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8JP	BASE PINS	8
NOMINAL HEATER	6.3 V / 1.2 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8JP - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1 – 2G1	B	G1 – Control Grid	CONNECTED
PIN2 – H	–	H – Heater	CONNECTED
PIN3 – 2P	B	P – Plate (Anode)	CONNECTED
PIN4 – 1G2	A	G2 – Screen Grid	CONNECTED
PIN4 – 2G2	B	G2 – Screen Grid	CONNECTED
PIN5 – 1G1	A	G1 – Control Grid	CONNECTED
PIN6 – 1P	A	P – Plate (Anode)	CONNECTED
PIN7 – H	–	H – Heater	CONNECTED
PIN8 – G3	A	G3 – Suppressor Grid	CONNECTED
PIN8 – K	A	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Beam Power	
PLATE RESISTANCE	28000 Ω
TRANSCONDUCTANCE	0.006 S
MAXIMUM PLATE VOLTAGE	400 V
MAXIMUM SCREEN VOLTAGE	300 V
MAXIMUM PLATE DISSIPATION	15 W
MAXIMUM SCREEN DISSIPATION	2 W
<i>Representative section for two electrically identical beam-power sections.</i>	

Dual beam-power pentode designed for stereophonic sound systems; two sections operate in push-pull or independently.



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
Power Output	20 W	Two sections push-pull; 400 V plate
Power Output	11 W	Two sections push-pull; 250 V plate
Power Output	5 W	Single section Class A1

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	50 mA	Each section; 250 V plate and screen



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
Plate voltage	250 V	EachSection
Grid 2 voltage	250 V	EachSection
Grid 1 voltage	-12.5 V	EachSection
Plate current	50 mA	EachSection
Grid 2 current	3 mA	EachSection
Push-pull load resistance	9000 ohm	ClassAB1;PushPull;TwoSections

PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Maximum signal power output	17 W	ClassAB1;PushPull;TwoSections

TUBE TINKER

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and their source documents.

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