

ELECTRONIC TUBE REFERENCE

25A6GT

Power - Pentode Single (NOT beam) (under 10W) electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
PENTODE

Power/output pentode designed for Class-A, single-ended, or push-pull audio-frequency output amplification.

GENERAL CHARACTERISTICS

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

7S - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Pentode	
PLATE RESISTANCE	42000 Ω
TRANSCONDUCTANCE	0.002375 S
MAXIMUM PLATE VOLTAGE	180 V
MAXIMUM SCREEN VOLTAGE	135 V
MAXIMUM PLATE DISSIPATION	4.3 W
MAXIMUM SCREEN DISSIPATION	1.9 W
<i>Promoted ratings/characteristics from 25A6GT.pdf.</i>	

5A6GT HYTRON BANTAM GENERAL DESCRIPTOR Application: The Hytron 25a8GT4s a cathode type power pentode suitable for use in the output stage of radio receivers.

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 · Pentode

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Input capacitance	8.5 pF	—
Output capacitance	12.5 pF	—
Grid-to-plate capacitance	0.2 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate voltage	160 V	ClassA
Screen-grid voltage	120 V	ClassA
Grid voltage	-18 V	ClassA
Plate current	33 mA	ClassA
Screen-grid current	6.5 mA	ClassA
Load resistance	5000 ohm	ClassA
Power output	2.2 W	ClassA

SOURCE OPERATING CONDITIONS

1961 Tung Sol

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

1961 TUNG SOL

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Voltage	160 V	ClassA
Screen Voltage	120 V	ClassA
Power Output	2.2 W	ClassA
Load Resistance	5000 ohm	ClassA

TUBE TINKER

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and their source documents.

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