

ELECTRONIC TUBE REFERENCE

6SN7EH

Voltage - Dual Triode (similar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Modern medium-mu twin triode with two matched sections for low-frequency voltage amplification. Conventional 6SN7 electrical characteristics suit audio voltage-amplifier, driver, phase-splitter, and related small-signal applications rather than true power-output service.

GENERAL CHARACTERISTICS

BASE DESIGNATION	8BD	BASE PINS	8
NOMINAL HEATER	6.3 V / 600 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

8BD - TERMINAL PINOUT

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

SECTION RATINGS

SECTION1 Triode	
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Representative section for two electrically identical triodes.</i>	

SECTION2 Triode	
TRANSCONDUCTANCE	0.0026 S
AMPLIFICATION FACTOR	20
MAXIMUM PLATE VOLTAGE	450 V
MAXIMUM PLATE DISSIPATION	5 W
MAXIMUM CATHODE CURRENT	20 mA
<i>Second identical physical section; added to align physical rows with SectionCount.</i>	

Twin triode with equipotential cathodes for low-frequency voltage amplification.



SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

2026 Electro Harmonix Gold

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

2026 ELECTRO HARMONIX GOLD

Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Plate Current	7–13 mA	Plate 250 V; Grid -8 V

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