



ELECTRONIC TUBE REFERENCE

5HA7

Voltage - Dual Triode (dissimilar) electronic tube

CONSOLIDATED TECHNICAL DATA

2 SECTIONS

CONSTRUCTION

TRIODE-TRIODE

Dissimilar twin triode, documented as electrically identical to the 4HA7 except for heater characteristics, combining low- and high-mu sections for complementary circuit functions.

GENERAL CHARACTERISTICS

BASE DESIGNATION	12FQ	BASE PINS	12
NOMINAL HEATER	5.8 V / 450 mA	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Dissimilar

SECTION RATINGS

SECTION1 Triode	
PLATE RESISTANCE	7700 Ω
TRANSCONDUCTANCE	0.0022 S
AMPLIFICATION FACTOR	17
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	2.75 W
MAXIMUM CATHODE CURRENT	20 mA
Medium-mu triode section; 5HA7 is identical to 4HA7 except heater characteristics.	

SECTION2 Triode	
PLATE RESISTANCE	62500 Ω
TRANSCONDUCTANCE	0.0016 S
AMPLIFICATION FACTOR	100
MAXIMUM PLATE VOLTAGE	330 V
MAXIMUM PLATE DISSIPATION	0.3 W
<i>High-mu triode section; ratings inherited from 4HA7 because 5HA7 is specified identical except heater characteristics.</i>	

Except for heater characteristics, the 5HA7 is identical to the 4HA7; the source prints only the heater differences.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

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

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Section 1 · Triode

CHARACTERISTIC		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Heater Warmup Time	1 s	—