

ELECTRONIC TUBE REFERENCE

6BH3A

Rectifier - Damper Diode electronic tube

CONSOLIDATED TECHNICAL DATA

1 SECTION
CONSTRUCTION
RECTIFIER

Half-wave vacuum rectifier designed for television damper service, a higher-rated member of the 6BH3 horizontal-deflection family.

GENERAL CHARACTERISTICS

BASE DESIGNATION	9HP	BASE PINS	9
NOMINAL HEATER	6.3 V / 1.6 A	PARALLEL HEATER	– / –
HEATING	Indirect	SERIES OPERATION	Not specified
CATHODE ARRANGEMENT	Separate cathodes	SECTION CONSTRUCTION	Similar

9HP - TERMINAL PINOUT

TERMINAL	SECTION	ELEMENT	STATUS
PIN1	–	–	IC
PIN2	–	P – Plate (Anode)	CONNECTED
PIN3	–	–	IC
PIN4	–	H – Heater	CONNECTED
PIN5	–	H – Heater	CONNECTED
PIN6	–	–	IC
PIN7	–	P – Plate (Anode)	CONNECTED
PIN8	–	–	IC
PIN9	–	K – Cathode	CONNECTED

SECTION RATINGS

SECTION1 Rectifier	
MAXIMUM PLATE DISSIPATION	6.8 W
PEAK INVERSE VOLTAGE	5500 V
NOMINAL OUTPUT CURRENT	180 mA
PEAK FORWARD CURRENT	1.1 A
FORWARD VOLTAGE DROP	32 V
MAXIMUM HEATER-CATHODE VOLTAGE	5500 V
<i>Rectifier section; ratings and characteristics retained in parameter rows where not safely promotable.</i>	

Half-wave vacuum rectifier for television damper service. The supplied datasheet was read for heater data, maximum ratings, operating characteristics, and interelectrode capacitances where published.

SOURCE OPERATING CONDITIONS

[SOURCE PDF](#)

1971 RCA HB3 Binder 4 of 7

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

1971 RCA HB3 BINDER 4 OF 7

Section 1 · Rectifier

CHARACTERISTICS		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Voltage (AC or DC) ±	6.3 V	PublishedColumn1
Voltage (AC or DC) ±	0.6 V	PublishedColumn2
respect to cathodes b max	5500 V	—
respect to cathode ° max	300 V	—
E The do component must not a%teed	900 V	—
The do component must not exceed	100 V	—

CAPACITANCE		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
P to (H, K)	6.5 pF	—
K to (P,H)	9 pF	—
Heater to cathode	2.8 pF	—

OTHER		
PARAMETER	PUBLISHED VALUE	CONDITION / NOTE
Peak Inverse Plate Voltages max	5500 V	—
Peak Plate Current max	1100 mA	—
Average Plate Current max	180 mA	—
Plate Dissipation max	6.8 W	—

TUBE TINKER

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