

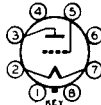


IH4-G

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DETECTOR AMPLIFIER TRIODE

Filament	Coated	
Voltage	2.0	d-c volts
Current	0.06	amp
Maximum Overall Length		4-1/8"
Maximum Diameter		1-9/16"
Bulb		ST-12
Base		Small Shell Octal 7-Pin
Pin 1—No Connection		Pin 5—Grid
Pin 2—Filament +		Pin 7—Filament -
Pin 3—Plate		Pin 8—No Connection
Pin 4—No Connection		
Mounting Position	BOTTOM VIEW	Vertical, Base Down ◊ ←



AMPLIFIER - Class A

Operating Conditions and Characteristics:				
Filament	2.0	2.0	2.0	d-c volts
Plate	90	135	180 max.	volts
Grid *	-4.5	-9	-13.5	volts
Amp. Fact.	9.3	9.3	9.3	
Plate Res.	11000	10300	10300	ohms
Transcond.	850	900	900	μmhos
Plate Cur.	2.5	3.0	3.1	ma.

* The d-c resistance in the grid circuit should not exceed 2 megohms.

AMPLIFIER - Class B

Plate Voltage	180 max. volts
Peak Plate Current	50 max. ma.
Zero-Signal Plate Current	1.5 max. ma.

Typical Operating Conditions:

Unless otherwise specified, values are for 2 tubes.

Filament	2.0	d-c volts
Plate	157.5	volts
Grid	-15	volts
Zero-Signal D-C Plate Current	1.0	ma.
Load Resistance (per tube)	2000	ohms
Effective Load Res. (plate to plate)	8000	ohms
Maximum-Signal Driving Power	260	mw.
Power Output ‡	2.1	watts

With one Type IH4-G as driver operated at plate volts of 157.5, grid volts of -11.3, and with plate load of approximately 18000 ohms: input transformer ratio, primary to one-half secondary, is 1.165: total distortion is 6 to 7%.

DETECTOR

Typical Operation:		<i>Biased</i>		<i>Grid-Leak</i>
Filament	2.0	2.0	2.0	2.0 d-c volts
Plate	90	135	180 max.	45 max. volts
Grid	-9 ^o	-13.5 ^o	-18 ^o max.	Return to (+) Fil. volts
Plate Cur.	Adjusted to 0.2 ma. with no input signal. §			-
Grid Leak	-	-	-	1 to 5 megohms
Grid Condenser	-	-	-	0.00025 μf

§ Max.-signal d-c plate current should be limited to 2.0 ma.

◊ Approximate.

◊ Horizontal operation permitted if plane of filament is vertical.

← Indicates a change.

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AVERAGE PLATE CHARACTERISTICS

