

4R-HH2 is a twin triode designed for use as a cascade connected RF amplifier in the VHF tuner of transformer-less television receivers.

The electrostatic capacity between electrodes is almost the same with 4BQ7A, while the mutual conductance is higher. A high sensitivity, low noise tuner can be made with this tube.

BASE E9-1 Small Button Noval 9-Pin

MOUNTING POSITION—Any

HEATER

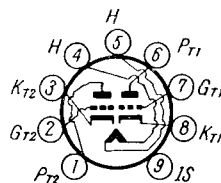
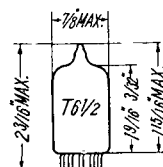
Voltage 4.2 (V)

Current 0.6 (A)

Warm-up Time 11 (sec)

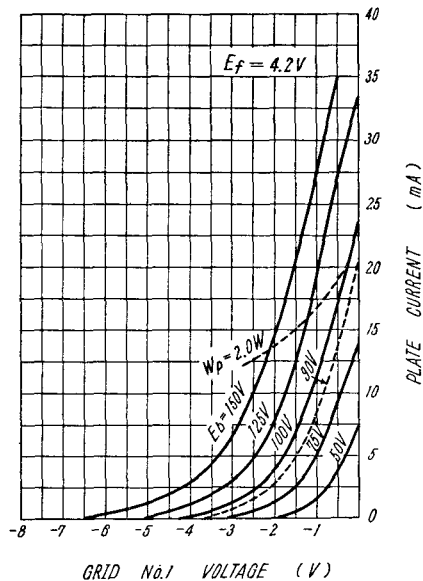
DIRECT INTERELECTRODE CAPACITANCES

(With Shield)	Unit No.1	Unit No.2	
Grid No.1 to Plate	1.2	1.2	(pF)
Input {Grounded Cathode	3.3	—	(pF)
{Grounded Grid	—	5.6	(pF)
Output {Grounded Cathode	1.3	—	(pF)
{Grounded Grid	—	2.4	(pF)
Heater to Cathode	2.5	2.5	(pF)
Plate to Plate	0.01 _{max.}		(pF)



MAXIMUM RATINGS (Design Center Values)		TYPICAL OPERATION	
Plate Voltage	150 (V)	Plate Voltage	90 (V)
Plate Dissipation	2 (W)	Grid No.1 Voltage	—1 (V)
Total Cathode Current	20 (mA)	Plate Current	8.5 (mA)
Peak Heater—Cathode Voltage		Transconductance	8,000 (μS)
Heater negative with		Amplification Factor	36
respect to cathode	200 (V)	Grid No.1 Voltage (Approx.)	
Heater positive with		$I_b = 10 \mu\text{A}$	—5.5 (V)
respect to cathode	200 Δ (V)		
Grid No.1 Circuit Resistance	500 (k Ω)		
Δ The D.C. component must not exceed 100 volts.			

AVERAGE TRANSFER CHARACTERISTICS



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