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

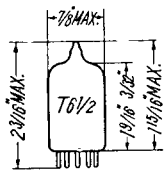
The electrostatic capacity between electrodes is almost the same with 4BQ7A, while the mutual conductance is higher. A high sensitivity, low noise tuner can be made with this tube.

BASE E9-1 Small Button Noval 9-Pin

MOUNTING POSITION—Any

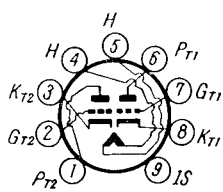
HEATER

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		0.01max.		(pF)

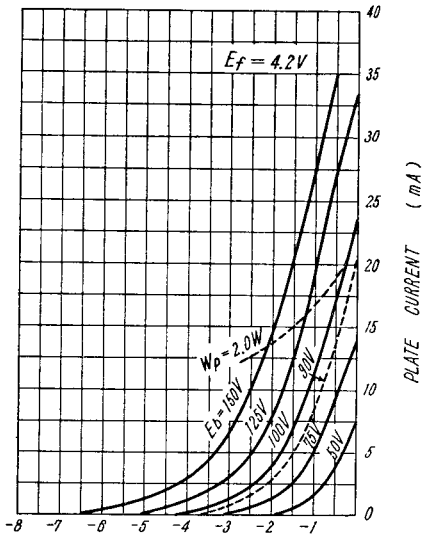


MAXIMUM RATINGS (Design Center Values)		
Plate Voltage	150	(V)
Plate Dissipation	2	(W)
Total Cathode Current	20	(mA)
Peak Heater—Cathode Voltage		
Heater negative with respect to cathode	200	(V)
Heater positive with respect to cathode	200△	(V)
Grid No.1 Circuit Resistance	500	(kΩ)

△ The D.C. component must not exceed 100 volts.

TYPICAL OPERATION		
Plate Voltage	90	(V)
Grid No.1 Voltage	−1	(V)
Plate Current	8.5	(mA)
Transconductance	8,000	(μ℧)
Amplification Factor	36	
Crid No.1 Voltage (Approx.)		
I_b=10μA	−5.5	(V)

AVERAGE TRANSFER CHARACTERISTICS



AVERAGE TRANSFER CHARACTERISTICS