

17R-HH2 is a high- μ twin triode designed for use as a RF amplifier, frequency converter and oscillator of the VHF band. This tube is used in tuners of transformer-less FM/AM receivers. As the mutual conductance is very high and operates well at low plate voltage, this tube is most suitable for transformer-less radio receivers.

BASE E9-1 Small Button Noval 9-Pin

MOUNTING POSITION—Any

HEATER

Voltage 17.0 (V)

Current 0.15 (A)

DIRECT INTERELECTRODE

CAPACITANCES (With Shield)

Grid No. 1 to Plate 1.2 1.2 (pF)

Input { Grounded Cathode 3.3 — (pF)

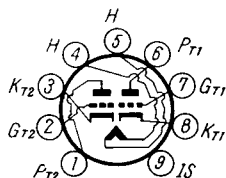
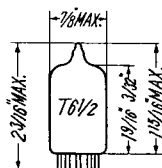
{ Grounded Grid — 5.6 (pF)

Output { Grounded Cathode 1.3 — (pF)

{ Grounded Grid — 2.4 (pF)

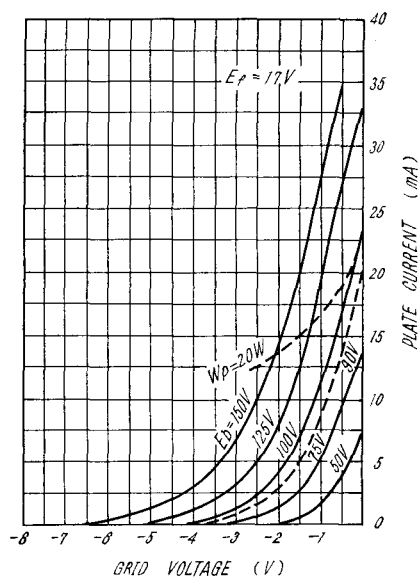
Heater to Cathode 2.5 2.5 (pF)

Plate to Plate 0.01 max. (pF)

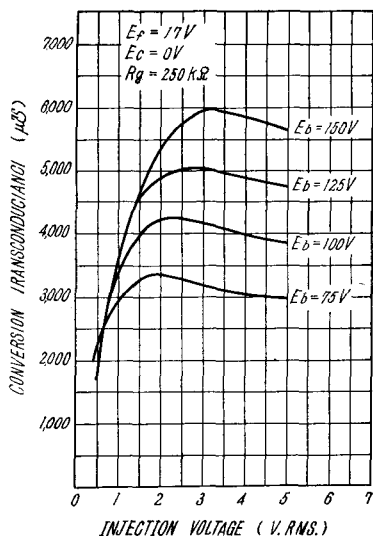


MAXIMUM RATINGS (Design Center Values)		TYPICAL OPERATION	
Plate Voltage	150 (V)	Plate Voltage	90 (V)
Plate Dissipation	2.0 (W)	Grid No. 1 Voltage	—1 (V)
Total Cathode Current	20 (mA)	Plate Current	8.5 (mA)
Peak Heater—Cathode Voltage		Transconductance	8,000 (μ S)
Heater negative with		Amplification Factor	36
respect to cathode	200 (V)	Grid No. 1 Voltage (Approx.)	
Heater positive with		$I_b = 10 \mu A$	—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.			

OPERATION CHARACTERISTICS



OPERATION CHARACTERISTICS



AVERAGE CHARACTERISTICS

