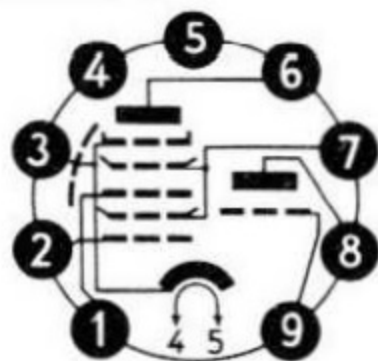


**ECH 84**

Outline: 11



$$U_f = 6.3 \text{ V}$$

$$I_f = 300 \text{ mA}$$

$$U_{fk} = 100 \text{ V}$$

TRIODE-HEPTODE for use as pulse separator, noise inverter and synchronizing amplifier

**Maximum Ratings****Triode**

$$U_a = 250 \text{ V}$$

$$N_a = 1.3 \text{ W}$$

$$-U_{g3s} = 200 \text{ V}$$

$$I_k = 10 \text{ mA}$$

$$R_{g1} = 3 \text{ M}\Omega$$

**Heptode**

$$U_a = 250 \text{ V}$$

$$N_a = 1.7 \text{ W}$$

$$U_{g2+4} = 250 \text{ V}$$

$$N_{g2+4} = 0.8 \text{ W}$$

$$I_k = 12.5 \text{ mA}$$

$$-U_{g1s} = 150 \text{ V}$$

$$R_{g1} = 3 \text{ M}\Omega$$

$$-U_{g3s} = 150 \text{ V}$$

$$R_{g3} = 3 \text{ M}\Omega$$

**Typical Operation****Triode**

$$U_a = 50 \text{ V}$$

$$U_g = 0 \text{ V}$$

$$I_a = 3 \text{ mA}$$

$$S = 3.7 \text{ mA/V}$$

$$\mu = 50$$

**Heptode**

$$U_a = 135 \text{ V}$$

$$U_{g3} = 0 \text{ V}$$

$$U_{g2+4} = 14 \text{ V}$$

$$I_a = 1.7 \text{ mA}$$

$$I_{g2+4} = 0.9 \text{ mA}$$

$$S = 2.2 \text{ mA/V}$$

**Capacitances****Triode**

$$C_i = 3 \text{ pF}$$

$$C_{ag} = 1.1 \text{ pF}$$

**Heptode**

$$C_{ag1} < 9 \text{ pF}$$