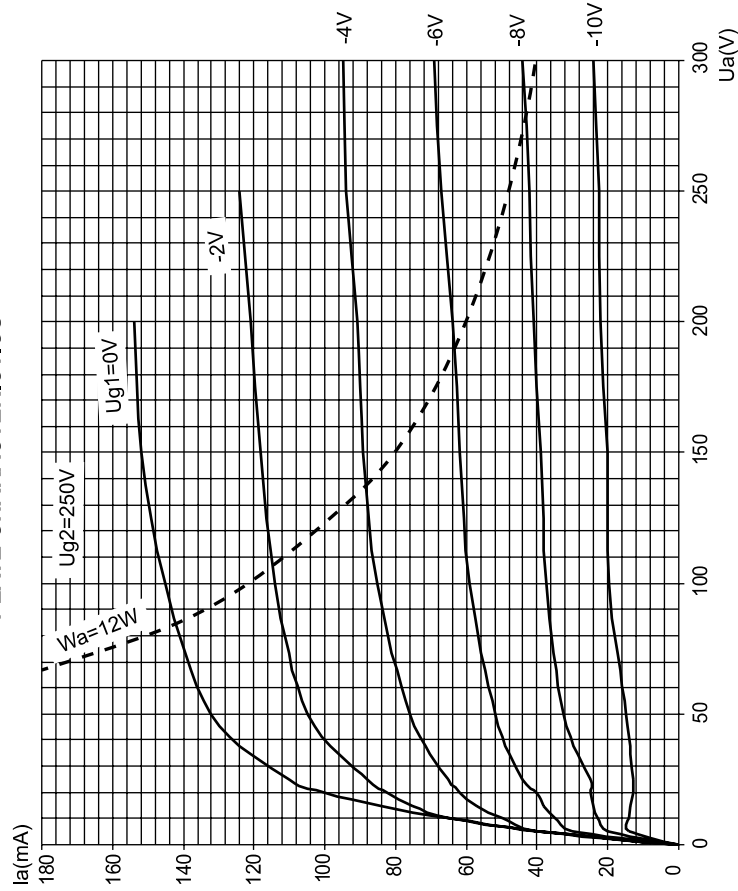
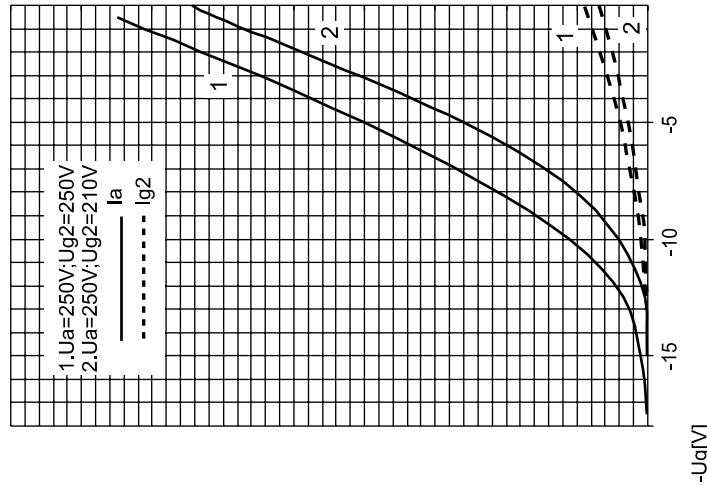




PLATE CHARACTERISTICS



TRANSFER CHARACTERISTICS



EL84

R. F. OUTPUT PENTODE

Base: NOVAL

$$U_f = 6,3 \text{ V}$$

$$I_f = 0,760 \text{ mA}$$

Typical characteristic:

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

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

$$U_{g1} = -7,3 \text{ V}$$

$$I_a = 48 \text{ mA}$$

$$I_{g2} = 5,5 \text{ mA}$$

$$S = 11,3 \text{ mA/V}$$

$$R_i = 40 \text{ k}\Omega$$

$$\mu_{g1/g2} = 19$$

Class A₁ amplifier:

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

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

$$R_k = 135 \Omega$$

$$I_a = 48 \text{ mA}$$

$$I_{g2} = 5,5 \text{ mA}$$

$$R_a = 5,2 \text{ k}\Omega$$

$$U_{g1\text{eff}} (50\text{mW}) = 0,3 \text{ V}$$

$$U_{g1\text{eff}}(N) = 4,3 \text{ V}$$

$$N (10\%)^1 = 5,7 \text{ W}$$

$$N^2 = 6 \text{ W}$$

1) U_{g1} fest fixed grid bias

2) $I_{g1} + 0,3 \mu\text{A}$

Limiting values:

$$U_a = 300 \text{ V}$$

$$W_a = 12 \text{ W}$$

$$U_{g2} = 300 \text{ V}$$

$$W_{g2} = 2 \text{ W}$$

$$U_{g1} = -100 \text{ V}$$

$$I_k = 65 \text{ mA}$$

$$R_{g1} = 1 \text{ M}\Omega \text{ for automatic bias}$$

$$R_{g1} = 0,3 \text{ M}\Omega \text{ for fixed bias}$$

$$U_{k/f} = 100 \text{ V}$$

Capacitances:

$$C_{g/k} = 10 \text{ pF}$$

$$C_a = 5,1 \text{ pF}$$

$$C_{g/a} = 0,6 \text{ pF}$$

$$C_{g1f} = 0,15 \text{ pF}$$

Dimension and connections:

