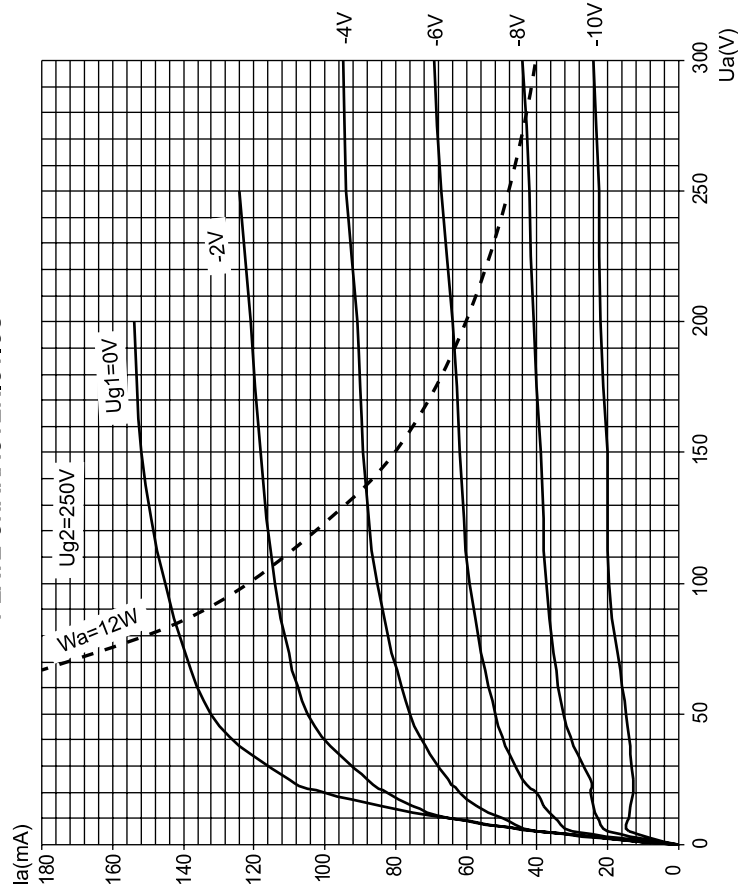
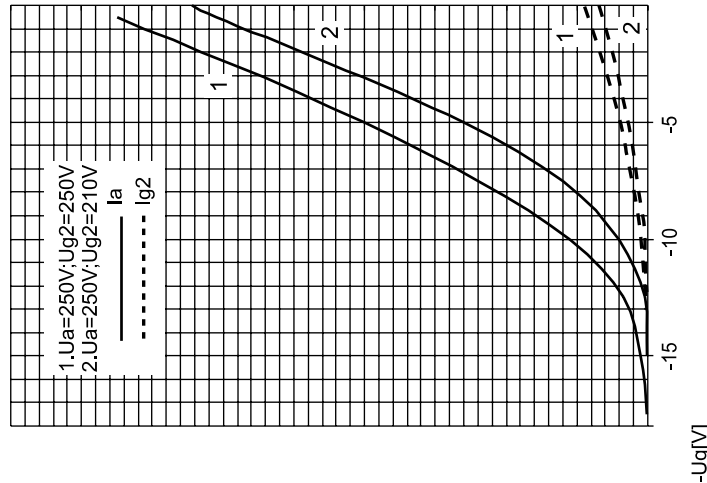




PLATE CHARACTERISTICS



TRANSFER CHARACTERISTICS



EL84

R. F. OUTPUT PENTODE

Base: NOVAL

$$U_f = 6,3 V$$

$$I_f = 0,760 mA$$

Typical characteristic:

$$U_a = 250 V$$

$$U_{g2} = 250 V$$

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

$$I_a = 48 mA$$

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

$$S = 11,3 mA/V$$

$$R_i = 40 k\Omega$$

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

Class A₁ amplifier:

$$U_a = 250 V$$

$$U_{g2} = 250 V$$

$$R_k = 135 \Omega$$

$$I_a = 48 mA$$

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

$$R_a = 5,2 k\Omega$$

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

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

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

$$N^2 = 6 W$$

1) U_{g1} fest fixed grid bias

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

Limiting values:

$$U_a = 300 V$$

$$W_a = 12 W$$

$$U_{g2} = 300 V$$

$$W_{g2} = 2 W$$

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

$$I_k = 65 mA$$

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

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

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

Capacitances:

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

$$C_a = 5,1 pF$$

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

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

Dimension and connections:

