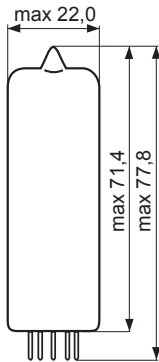
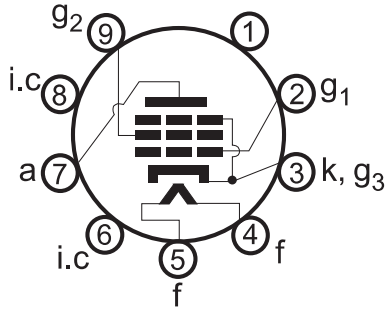


EL84

6BQ5

A. F. OUTPUT PENTODE



Base: NOVAL

$$U_f = 6,3 \text{ V}$$
$$I_f = 0,760 \text{ mA}$$

Typical Characteristics:

$$U_a = 250 \text{ V}$$
$$U_{g2} = 250 \text{ V}$$
$$U_{g1} = -7,3 \text{ V}$$
$$I_a = 48 \text{ mA}$$
$$I_{g2} = 5,5 \text{ mA}$$
$$S = 11,3 \text{ mA/V}$$
$$R_i = 40 \text{ k}\Omega$$
$$\mu_{g1/g2} = 19$$

Class A₁ Amp.:

$$U_a = 250 \text{ V}$$
$$U_{g2} = 250 \text{ V}$$
$$R_k = 135 \text{ }\Omega$$
$$I_a = 48 \text{ mA}$$
$$I_{g2} = 5,5 \text{ mA}$$
$$R_a = 5,2 \text{ k}\Omega$$
$$U_{g1\text{eff}}(50\text{mW}) = 0,3 \text{ V}$$
$$U_{g1\text{eff}}(N) = 4,3 \text{ V}$$
$$N(10\%)^1 = 5,7 \text{ W}$$
$$N^2 = 6 \text{ W}$$

Limiting Values:

$$U_a = 300 \text{ V}$$
$$W_a = 12 \text{ W}$$
$$U_{g2} = 300 \text{ V}$$
$$W_{g2} = 2 \text{ W}$$
$$U_{g1} = -100 \text{ V}$$
$$I_k = 65 \text{ mA}$$
$$R_{g1} = 1 \text{ M}\Omega$$

for automatic bias

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

for fixed bias

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

Capacitances:

$$C_{g/k} = 10 \text{ pF}$$
$$C_a = 5,1 \text{ pF}$$
$$C_{g/a} = 0,6 \text{ pF}$$
$$C_{g1f} = 0,15 \text{ pF}$$

¹⁾ U_{g1} fixed grid bias

²⁾ $I_{g1} = 0,3 \text{ }\mu\text{A}$



TRANSFER CHARACTERISTICS

PLATE CHARACTERISTICS

