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## ABRIDGED DATA EL84-L

### R. F. OUTPUT PENTODE EL84/6BQ5

Base: NOVAL

Manufactured by JJ in Slovakia for Edicron

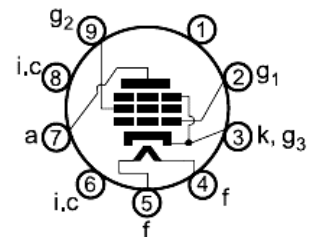
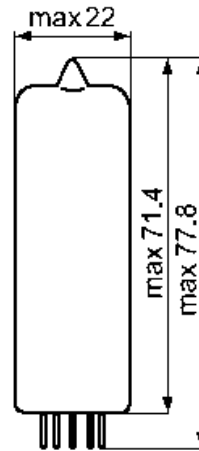
#### Heater:

$$\begin{aligned}U_f &= 6,3V \\I_f &= 0.760 \text{ mA}\end{aligned}$$

#### Typical characteristics:

$$\begin{aligned}U_a &= 250 \text{ V} \\U_{g2} &= 250 \text{ V} \\U_{g1} &= -7.3 \text{ V} \\I_a &= 48 \text{ mA} \\I_{g2} &= 5.5 \text{ mA} \\S &= 11.3 \text{ mA/V} \\R_i &= 40 \text{ k}\Omega \\ \mu_{g2/g1} &= 19\end{aligned}$$

#### Dimensions and connections:



#### Class A1 amplifier:

$$\begin{aligned}U_a &= 250 \text{ V} \\U_{g2} &= 250 \text{ V} \\R_k &= 135 \Omega \\I_a &= 48 \text{ mA} \\I_{g2} &= 5.5 \text{ mA} \\R_a &= 5.2 \text{ k}\Omega \\U_{g1\text{eff}} (50\text{mW}) &= 0.3 \text{ V} \\U_{g1\text{eff}}(N) &= 4.3 \text{ V} \\N (10\%)^{1)} &= 5.7 \text{ W} \\N^{2)} &= 6 \text{ W}\end{aligned}$$

<sup>1)</sup>  $U_{g1}$  for fixed grid bias

<sup>2)</sup>  $I_{g1} + 0.3 \mu\text{A}$

#### Limiting values:

$$\begin{aligned}U_a &= 300 \text{ V} \\W_a &= 12 \text{ W} \\U_{g2} &= 300 \text{ V} \\W_{g2} &= 2 \text{ W} \\U_{g1} &= -100 \text{ V} \\I_k &= 65 \text{ mA} \\R_{g1} &= 1.0 \text{ M}\Omega \text{ for automatic bias} \\R_{g1} &= 0.3 \text{ M}\Omega \text{ for fixed bias} \\U_{k/f} &= 100 \text{ V}\end{aligned}$$

#### Capacitances:

$$\begin{aligned}C_{g/k} &= 10 \text{ pF} \\C_a &= 5.1 \text{ pF} \\C_{g/a} &= 0.6 \text{ pF} \\C_{g1f} &= 0.15 \text{ pF}\end{aligned}$$

Socket Type: B9A