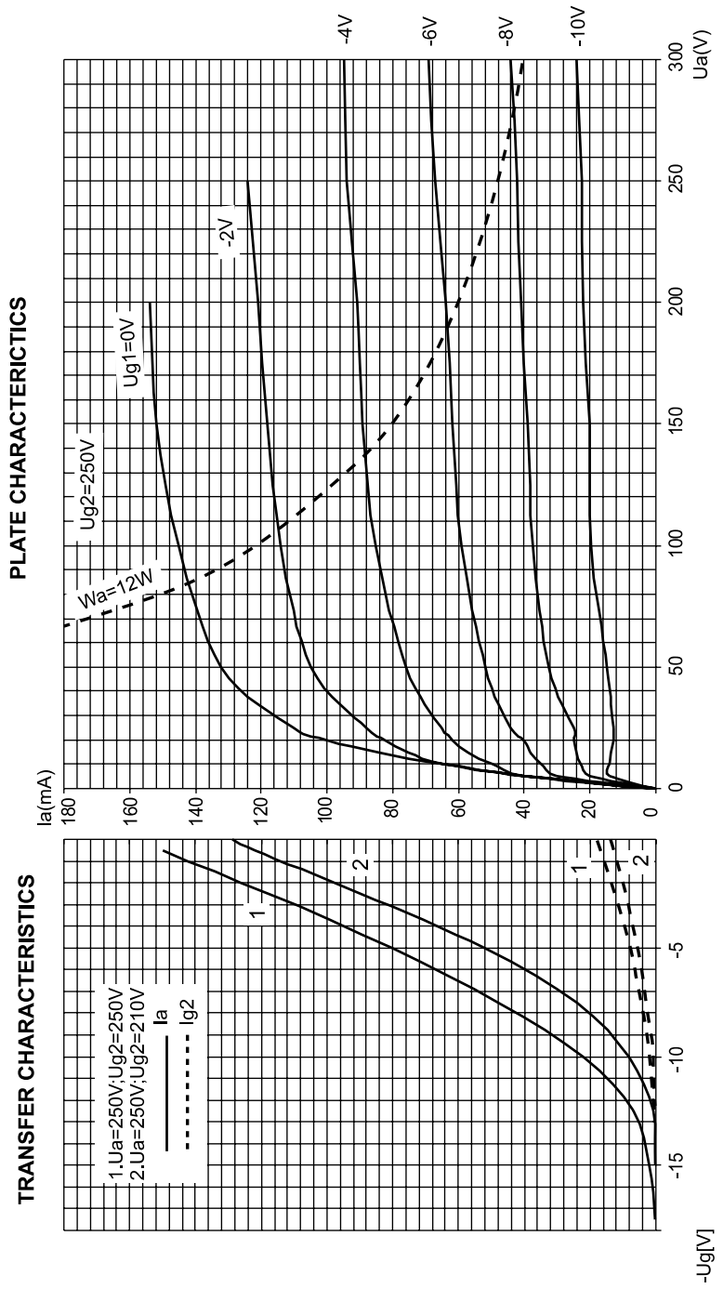


EL84

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 kΩ
$\mu_{g1/g2}$ = 19

Class A_1 amplifier:

U_a = 250 V
U_{g2} = 250 V
R_k = 135 Ω
I_a = 48 mA
I_{g2} = 5,5 mA
R_a = 5,2 kΩ
$U_{g1eff\ (50mW)}$ = 0,3 V
$U_{g1eff(N)}$ = 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 µA

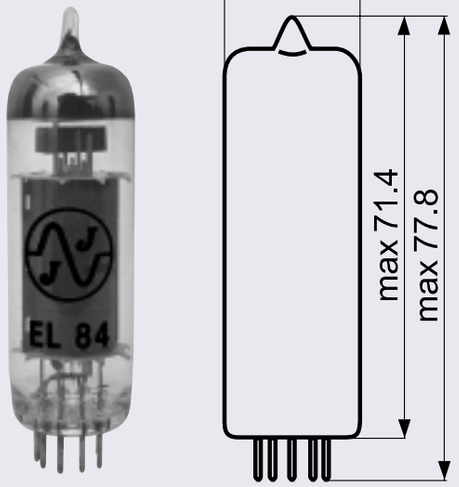
Limiting values:

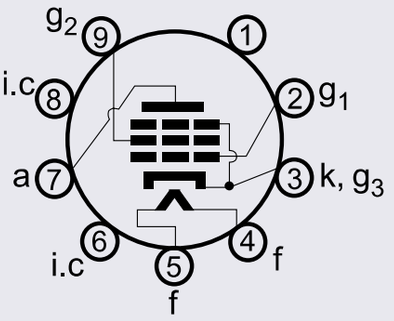
U_a = 300 V
W_a = 12 W
U_{g2} = 300 V
W_{g2} = 2 W
U_{g1} = -100 V
I_k = 65 mA
R_{g1} = 1 MΩ for automatic bias
R_{g1} = 0,3 MΩ for fixed bias
$U_{k/f}$ = 100 V

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:





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