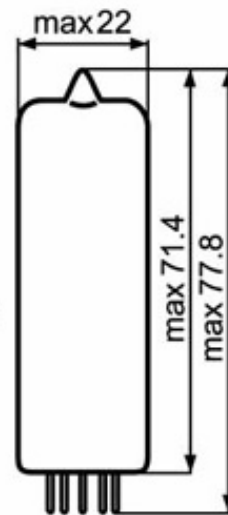
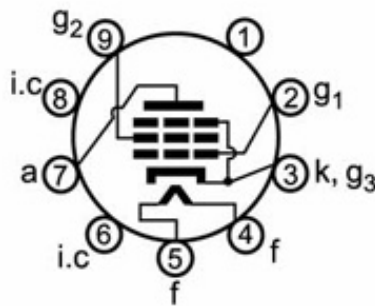


EL84

6BQ5 R.F. OUTPUT PENTODE

DIMENSIONS AND CONNECTIONS:

base: NOVAL
 $U_f = 6,3 \text{ V}$
 $I_f = 760 \text{ mA}$



CLASS A AMPLIFIER:

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

U_a	= 250 V
U_{g2}	= 250 V
R_k	= 133 Ohm
I_a	= 48 mA
I_{g2}	= 5,5 mA
R_a	= 5,2 kOhm
$U_{g1\text{eff}}(50\text{mW})$	= 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) $I_{g1} = +0,3 \text{ uA}$

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 MOhm for automatic bias
- R_{g1} = 0,3 MOhm for fixed bias
- $U_{k/f}$ = 100 V

CAPACITANCES:

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

