



**EL84** 

#### R. F. OUTPUT PENTODE

Base: NOVAL

 $U_f = 6.3 V$ 

 $I_f = 0.760 \, \text{mA}$ 

#### **Typical** characteristic:

 $U_a = 250 \text{ V}$ 

 $U_{g2} = 250 \text{ V}$ 

= -7.3 V

= 48 mA  $= 5.5 \,\mathrm{mA}$ 

S = 11.3 mA/V

 $R_i = 40 k\Omega$ 

 $\mu_{g1/g2} = 19$ 

# Class A<sub>1</sub> amplifier:

 $U_a = 250 \text{ V}$ 

 $U_{g2} = 250 \text{ V}$ 

= 135  $\Omega$ 

= 48 mA

= 5,5 mA $R_a = 5.2 k\Omega$ 

 $U_{g1eff(50mW)} = 0.3 V$ 

 $U_{g1eff(N)} = 4.3 V$ 

 $N (10\%)^{(1)} = 5.7 W$ 

 $N^{2} = 6 W$ 

1) Ug1 fest fixed grid bias

<sup>2)</sup> I<sub>g1</sub> +0,3 μA

## **Limiting values:**

= 300 V

= 12 W

= 300 V

= 2 W

= -100 V $= 65 \, \text{mA}$ 

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

 $R_{g1} = 0.3 M\Omega$  for fixed bias

 $U_{k/f} = 100 V$ 

## **Capacitances:**

= 10 pFCg/k

 $c_a = 5.1 pF$ 

 $c_{g/a} = 0.6 pF$  $C_{g1f} = 0.15 pF$ 

### **Dimension** and connections:



