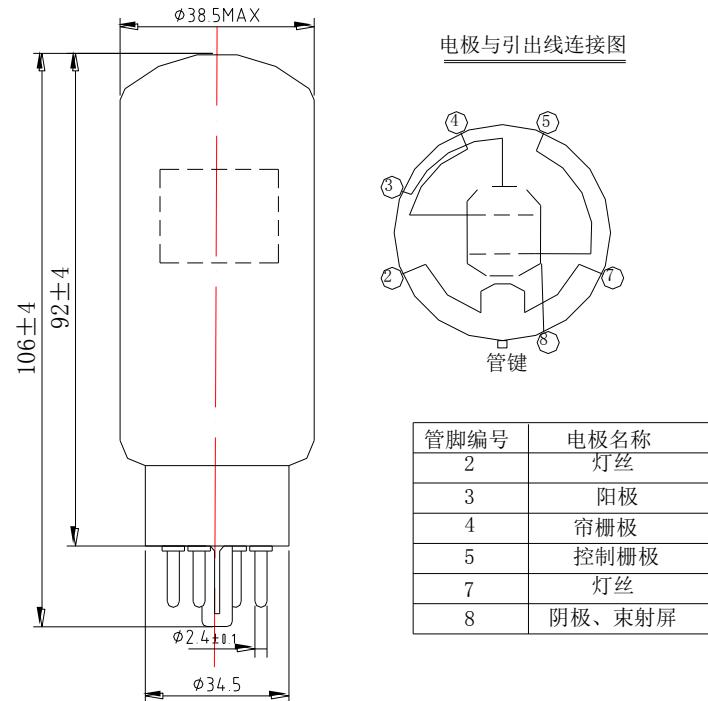


**Particulars** : Beam power tube 6L6WGCG, the anticathode limit dissipation power of which is 23W, can be used in the amplifying of A1、AB1 and AB2. They can also be used in regulating-voltage circuit. They are similar to 5881 and 6L6GC, and can be replaced by them.



The technical drawing includes a front view of the tube with dimensions: height 106±4, neck height 92±4, neck diameter φ34.5, and base diameter φ2.4±0.1. The top part shows a cross-section with a central vertical red line and a dashed rectangular frame. To the right is a circular electrode connection diagram labeled "电极与引出线连接图" (Electrode and Lead-out Connection Diagram) with numbers 1 through 8. Below the diagram is a legend table:

管脚编号	电极名称
2	灯丝
3	阳极
4	帘栅极
5	控制栅极
7	灯丝
8	阴极、束射屏

**heater heating**

UH .....	6.3 V	recommend working state(reference value)
IH.....	0.9 V	single tube A1 amplify

**limit rating**

plate voltage.....	400 V	limited ratings while A1 amplification
capacitance between grid No.2 and heater.....	400 V	Ua(0)..... 300 V
anticathode dissipation voltage.....	23 W	Ug2..... 200 V
second grid dissipation power.....	3 W	-Ug1(approx)..... 12.5 V
heater voltage between cathodes.....	±200 V	RL..... 4.5 kΩ
first grid resistance		üg(pk)..... 12.5 V
when it is self-partial voltage .....	0.5 MΩ	Ia(0)..... 48 mA
when it is fixup partial voltage.....	0.1 MΩ	Ia(max.sig)..... 55 mA
		Ig2(0) ..... 2.5 mA
		Ig2(max.sig) ..... 4.7 mA

**interelectrode capacitances**

input capacitance.....	11.5 PF	Gm..... 5.3 mA/V
output capacitance.....	9.5 PF	r <sub>i</sub> ..... 35 kΩ
transroute capacitance.....	0.9 PF	Pout..... 6.5 W
		Dtot..... 11 %

**static state parameter**

Ua.....	250 V	limited ratings while A1 amplification
Ug2.....	250 V	Ua.g2(0).....300 V
-Ug1.....	14 V	-Ug1(approx).....20 V
Ia.....	72 mA	RL.....4 kΩ
Ig2.....	5 mA	Üg(pk).....20 V
Gm.....	6 mA/V	Ia+g2.....78 V
r <sub>i</sub> .....	22.5 kΩ	Ia+g2(max.sig).....85 mA
μ <sub>g1-g2</sub> .....	6.2	Pout.....1.8 W
Pout.....	6.5 W	Dtot.....5.5 %
current version		