

# Shuguang Vacuum Tube 805

## Emitter Tube: 805 (FU-5)

*Compatible with: GL-805*

### DESCRIPTION

Direct heating thorium-tungsten cathode triodes 805, it can be used as class B, C, A-F and R-F power amplification in high frequency operation. 805 is compatible with GL-805, and can be substituted with each other.



**SPECIFICATION**

**Filament Heating**

U<sub>f</sub> .....10 V  
 I<sub>f</sub>.....3.25 A

**Maximum Ratings**

Plate voltage.....1500 V  
 Plate power dissipation.....125 W

**Capacitance**

Input capacitance.....8.5pF  
 Output capacitance.....10.5pF  
 Muller capacitance.....6.5pF

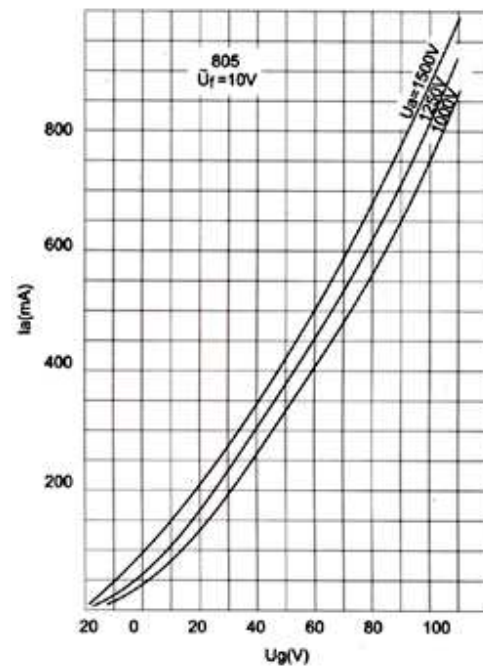
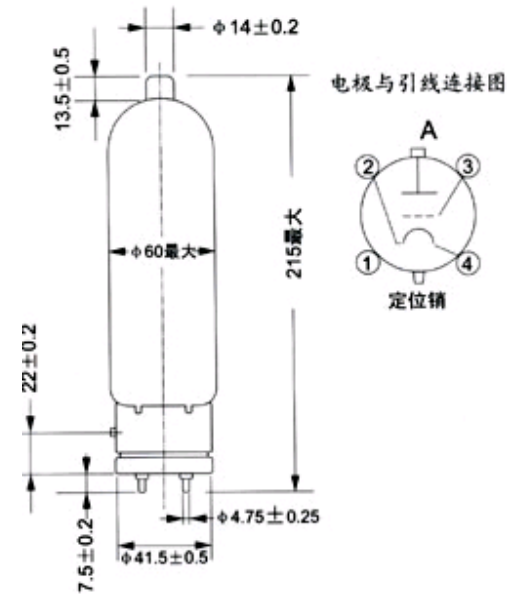
**Recommended Operating Condition** (suggested value)

Class B A-F power amplification (two tubes) maximum ratings

U<sub>a</sub>.....1250 1500 1500 V  
 I<sub>a</sub>(max.sig.per tube).....210 mA  
 P<sub>a</sub>(in)(max.sig.per tube) z.....315 W  
 P<sub>a</sub> (per tube) .....125 W  
 U<sub>g</sub>.....-16 V  
 ü<sub>g</sub>(pk).....235 280 V  
 I<sub>a</sub>(0).....148 84 mA  
 I<sub>a</sub>(max.sig).....500 600 mA  
 P<sub>d</sub>.....6 7 W  
 R<sub>L</sub>(a-a).....6.7 8.2 kΩ  
 P<sub>out</sub>(max.sig).....300 370 W

Class B R-F power amplification (maximum ratings)

U<sub>a</sub>.....1250 1500 1500 V  
 U<sub>g</sub>.....-10 V  
 I<sub>a</sub>.....135 115 150 mA  
 P<sub>a</sub>(in).....185 W  
 ü<sub>g</sub>(pk).....70 70 V  
 I<sub>g</sub>.....15 15 mA  
 P<sub>d</sub>.....11 7.5 W  
 P<sub>out</sub>.....55 57.5 W



Class C R-F power amplification and oscillation (plate tuning with tube tuning)

Ua.....1000 1250 1250 V  
 Ug.....-155 -160 -500 V  
 Ia.....160 160 175 mA  
 Ig.....60 60 70 mA  
 Pa(in).....220 W  
 Pa.....85 W  
 üg(pk).....295 300 V  
 Pd.....16 16 W  
 Pout.....110 140 W

Class C R-F power amplification and oscillation (plate tuning without tuning)

Ua.....1000 1250 1500 1500 V  
 Ug.....-95 -100 -105 -500 V  
 Ia.....200 200 200 210 mA  
 Ig.....40 40 40 70 mA  
 Pa(in).....315 W  
 Pa.....125 W  
 üg(pk).....225 230 235 V  
 Pd.....8.5 8.5 8.5 W  
 Pout.....130 170 215 W

