

## Shuguang Vacuum Tube EL156

### **Pentode: EL156**

*Compatible with: KT series and 6550*

### **DESCRIPTION**

Power output pentode EL156A is glass crust eight GT, its anti-cathode limits power dissipation of 50W. For output stage amplification, it is used as class A and AB amplifier. It is the upgrade version of KT series and 6550.



**SPECIFICATION**

**Filament Heating**

UH .....6.3 V  
 IH.....1.9 A

**Maximum Ratings**

Plate voltage.....800 V  
 Second grid voltage.....450 V  
 Plate power dissipation.....50 W  
 Second grid power dissipation.....8 W  
 Cathode current.....180 mA  
 Voltage between filament and cathode  
 For fixed-biasing.....0.1 MΩ  
 For self-biasing.....0.1 MΩ

**Capacitances**

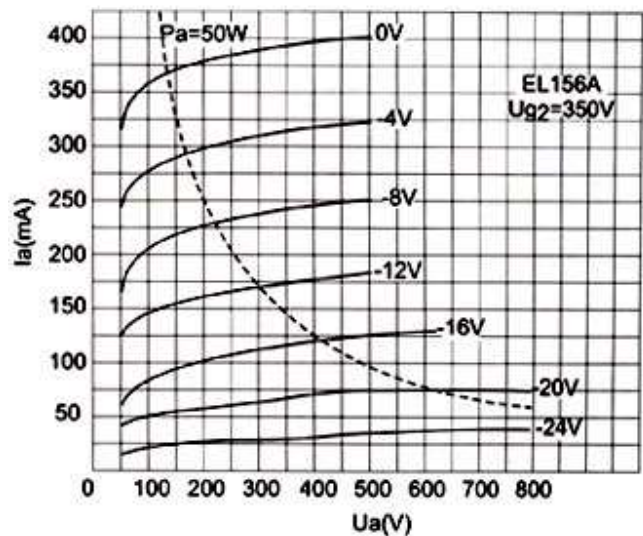
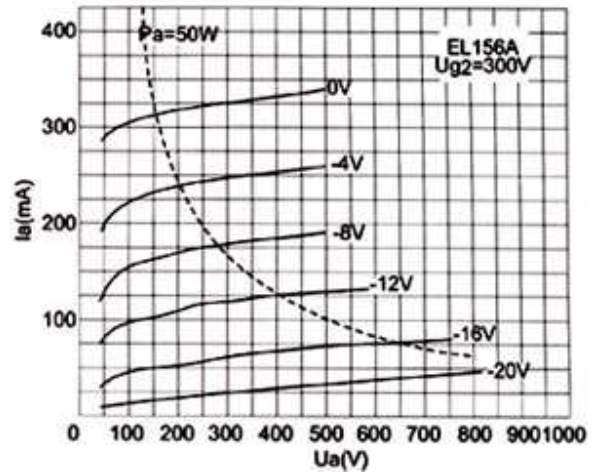
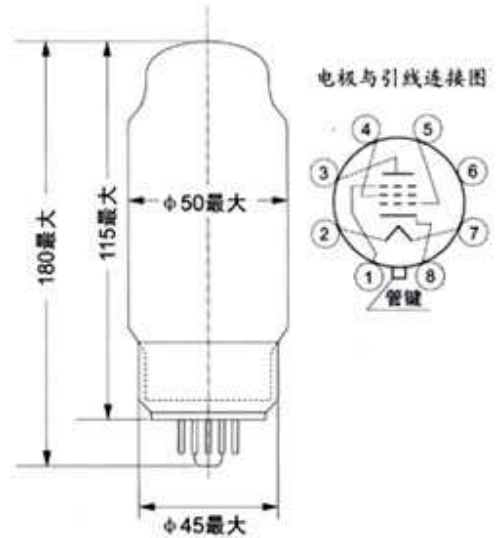
Input capacitance.....19pF  
 Output capacitance.....7.5pF  
 Muller capacitance.....0.5pF  
 capacitance between first grid and heater..0.25pF

**DC Parameters**

Ua.....440 V  
 Ug2.....350 V  
 Rk.....150 Ω  
 Ia.....10 mA  
 Ig2.....16mA  
 Gm.....11mA/V  
 ug1-g2.....6.2

**Recommended Operating Condition(suggested value)**

For Single-tube class A amplification  
 Ua(0).....300 450 V  
 Ug2.....250 250 V  
 Rk.....60 90 Ω  
 Ia(0).....120 112 mA  
 Ia(max.sig).....116 108 mA  
 Ig2.....15 17 mA  
 Ig2(max.sig) .....24 27 mA  
 RL.....4 3.8 kΩ  
 üg1.....6 9.2 V  
 Pout.....15 25 W  
 Dtot.....8 9 %



For Push pull AB1 amplification(self-bias)

Ua(b).....	600 600 V
Ug2.....	300 350 V
Rk.....	160 200 Ω ?
Ia(0).....	80 80 mA
Ia(max.sig).....	95 100 mA
Ig2 .....	10 10.5 mA
Ig2(max.sig) .....	18 20 mA
üg1.....	13.5 18.5 V
RL(a-a).....	8.5 7.6 kΩ
Pout.....	65 80 W
Dtot.....	4 4 %

