

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

UH6.3 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

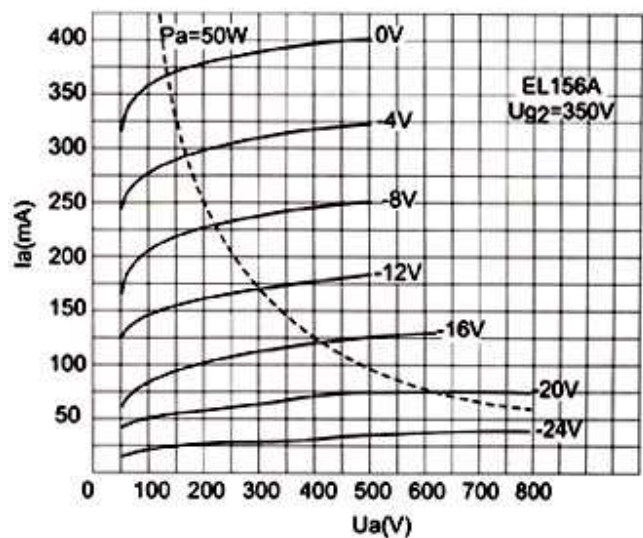
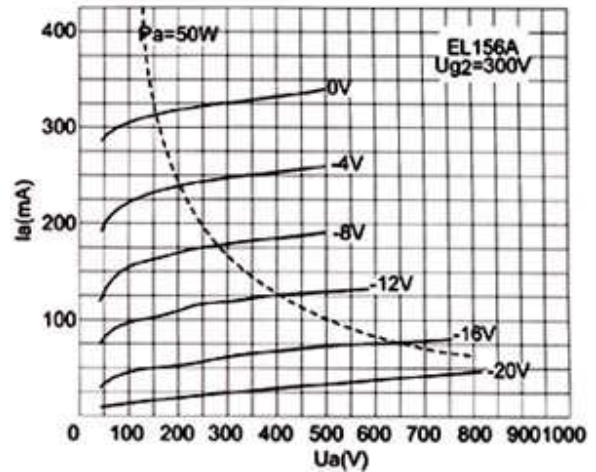
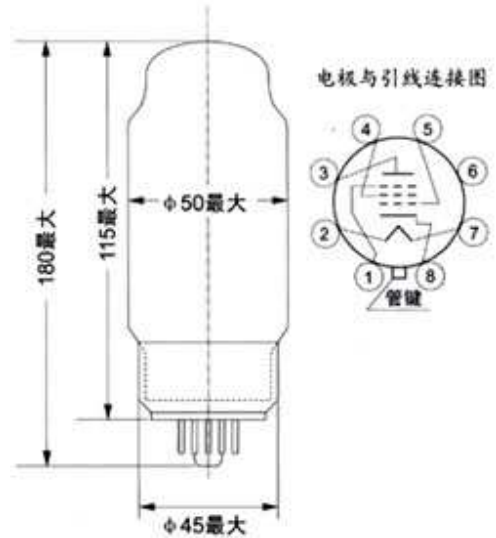
Input capacitance.....19pF
 Output capacitance.....7.5pF
 Muller capacitance.....0.5pF
 capacitance between first grid and heater..0.25pF

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 90Ω
 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 %

