

Shuguang Vacuum Tube EL34 Series

Pentode: EL34A (EL34)

Compatible with: 6CA7

DESCRIPTION

EL34A achieves high performance in audio frequency range. It is a pentode tube with plate power consumption reach to 25W. For audio frequency amplifier, if single tube is used as class A amplifier, the output power can deliver higher than 10W; if two tubes are used as class AB amplifier, the output power can be higher than 35W. EL34A is the compatible with EL34 and 6CA7, and can be substituted each other.



SPECIFICATION

Filament Heating

UH.....6.3 V
 IH.....1.5 A

Maximum Ratings

Plate voltage..... 800 V
 Second grid voltage..... 500 V
 First grid voltage..... -100 V
 Plate power dissipation..... 25 W
 Second grid power dissipation..... 8 W
 Cathode current.....150mA
 First grid resistance
 For self-biasing.....0.7 MΩ

For fixed-biasing.....0.5 MΩ
 Heater voltage between cathodes.....±100 V
 Temperature of glass
 envelope.....250°C

Capacitance

Input capacitance..... 15.2pF
 Output capacitance..... 8.4pF
 Muller capacitance..... 1.1pF

First grid heater capacitance..... 1.0pF
 Filament capacitance..... 10pF

DC Parameters

Ua..... 250 V
 Ug2.....250 V
 Ug3..... 0 V
 -Ug1.....12.2 V
 Ia..... 100mA
 Gm..... 11mA/V
 ri..... 15 kΩ
 ug1-g2.....11

