

## Shuguang Vacuum Tube EL34 Series

### Tetrode: EL34-B

#### DESCRIPTION

Plate power dissipation of EL34-B can reach 30W, whereas EL34A is 25W. EL34-B belongs to tetrode tube compared to pentode tube of EL34A. g1 and g2 of EL34-B is not exactly aligned opposite to each other and it is used in linear power amplification.



**SPECIFICATION**

**Filament Heating**

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

**Maximum Ratings**

Plate voltage.....800V  
Second grid voltage.....500V  
First grid voltage.....-100V  
plate power dissipation.....25W  
Second grid power dissipation.....8W  
Cathode current.....150mA  
First grid resistance  
For self-biasing.....0.7MΩ  
For fixed-biasing.....0.5MΩ  
Filament voltage between cathode.....100V

Temperature of glass  
envelop.....250°C

**Capacitances**

Input capacitance.....15.2pF  
Output capacitance.....8.4pF  
Muller capacitance.....1.1pF  
First grid-heater capacitance.....1.0pF  
Heater filament capacitance.....10pF

**DC Parameters**

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

