

## Shuguang Vacuum Tube 300 Series

### Triode: 300BA (300B)

#### DESCRIPTION

300BA is compatible with 300B. Direct heating cathode, medium power consumption, two triodes can be used in the class A amplification. It is adapted to be used in audio frequency range which requires high output power of 100W.

300B-C long-life design, use pure graphite anode and plate power dissipation can reach up to 60W. If you adjust the design parameters properly, single tube can be used as class A amplifier, and can delivery output power higher than 20W.

#### FEATURES

- Carbonized nickel plate
- Gold-plated grid and tube socket pins
- Ceramic tube socket
- New design of filament hooking



**SPECIFICATION**

**Filament Heating**

U<sub>f</sub>(DC).....5V  
I<sub>f</sub>(DC) ..... 1.2A

**Maximum Ratings**

Plate voltage.....480V  
Plate dissipation power.....40W  
Cathode current  
For self-biasing voltage.....100mA  
For fixed-biasing voltage.....70mA

**Capacitances**

Input capacitance.....9pF  
Output capacitance.....4.3pF  
Muller capacitance.....15pF

**DC Parameters**

U<sub>a</sub>.....300V  
-U<sub>g</sub>..... 60V  
I<sub>a</sub>.....60mA  
G<sub>m</sub>.....5.5mA/V  
R<sub>i</sub>.....700 Ω  
u.....3.85  
P<sub>out</sub>.....6.6W