

## Shuguang Vacuum Tube 300B Series

### Triode: 300BS-B (300B)

#### DESCRIPTION

300BS-B is compatible with 300B, direct heating cathode and 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 the design parameters are adjusted properly, single tube can use as class A amplifier, and can delivery output power higher than 20W.

#### FEATURES

- Gold-plated socket pins
- White ceramic tube socket
- Carbonized nickel plate reduces reflection of electrons, reserving the original audio signal
- Filament hooking by using single slice of spring reduces the parasitic capacitances



**Specification**

**Filament voltage**

Uf(DC).....5V  
If(DC) ..... 1.2A

**Maximum ratings**

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

**Capacitances**

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

**DC parameters**

Ua.....300V  
-Ug..... 60 V  
Ia.....60mA  
Gm.....5.5mA/V  
Ri.....0.7 Kohm  
u .....3.85  
Pout.....6.6W