

# Shuguang Vacuum Tube 572B

## Emitter Tube: 572B

### DESCRIPTION

Direct heating cathode, high gain triode 572B can be used in wireless equipment for power amplification.



572B

## SPECIFICATION

### Filament Heating

U<sub>f</sub> ..... 6.3 V  
 I<sub>f</sub> ..... 4 A

### Maximum Ratings

Plate voltage ..... 1250 V  
 Plate current (max. amplitude) ..... 210 mA  
 Plate power dissipation ..... 125 W  
 Grid current ..... 50 mA

### Capacitance

Input capacitance ..... 6pF  
 Output capacitance ..... 0.9pF

Muller capacitance ..... 5.9pF

### DC Parameters

U<sub>a</sub> ..... 2000 V -

U<sub>g</sub> ..... 2 V

I<sub>a</sub> ..... 32 mA

u (when I<sub>a</sub>=20mA) ..... 190

R<sub>L</sub> ..... 7 k $\Omega$

P<sub>out</sub> ..... 7 W

### Recommended Operating Condition (suggested value)

Single tube class A amplification (single end)

U<sub>a</sub> ..... 750 V

U<sub>g</sub> ..... 30 V

I<sub>a</sub>(0) ..... 130 mA

I<sub>a</sub>(max.sig) ..... 210 mA

R<sub>L</sub> ..... 5 k $\Omega$

P<sub>out</sub>(when D<sub>tot</sub>=5%) ..... 40 W

### Class AB amplifying

U<sub>a</sub> ..... 1000 V

U<sub>g</sub> ..... 20 V

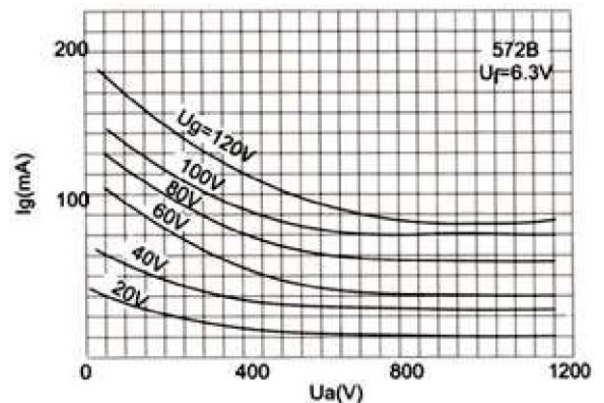
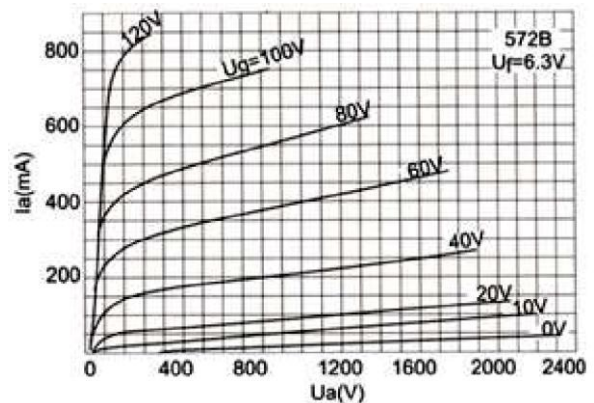
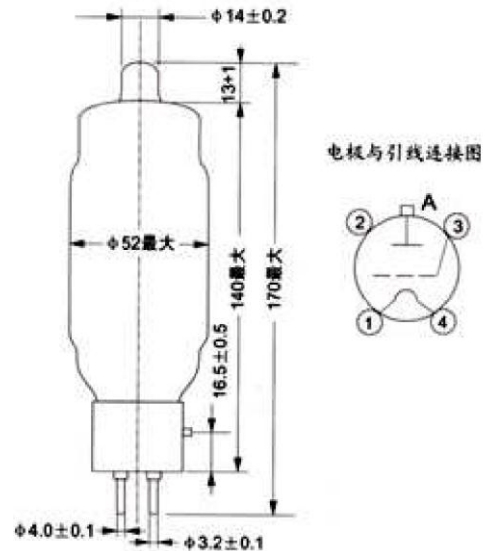
I<sub>a</sub>(0) ..... 75 mA

I<sub>a</sub>(max.sig) ..... 300 mA

ü(g-g.pk) ..... 195 V<sub>p-p</sub>

R<sub>L</sub> ..... 8 k $\Omega$

P<sub>out</sub>(when D<sub>tot</sub>=5%) ..... 150 W



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