

Shuguang Vacuum Tube 2A3 Series

Triode: 2A3B (2A3)

DESCRIPTION

2A3B is compatible with 2A3. It is direct heating cathode and low power consumption. Two triodes can be used in class A and AB amplification. The output power of single tube can reach 6.5W. High evacuated tube, it achieve high performance tube in audio frequency.

FEATURES

- New filament hooking design
- Plate of high carbon alloy
- Using high transparency of T16 as glass envelope



SPECIFICATION

Filament Heating

U_f 2.5 V
 I_f 2.5 A

Maximum Ratings

Plate voltage.....300 V
 Plate power dissipation.....15 W
 Grid resistance
 For self-biasing voltage.....0.5 MΩ
 For fix biasing voltage.....0.05 MΩ

Capacitances

Input capacitance..... 7.5pF
 Output capacitance.....16.5pF
 Muller capacitance.....5pF

DC Parameters

U_a..... 300V
 -U_g..... 45V
 I_a..... 60mA
 G_m..... 5.25mA/V
 r_i..... 0.8kΩ
 u..... 4.2
 P_{out}.....3.5W

Recommended Operating Conditions (suggested value)

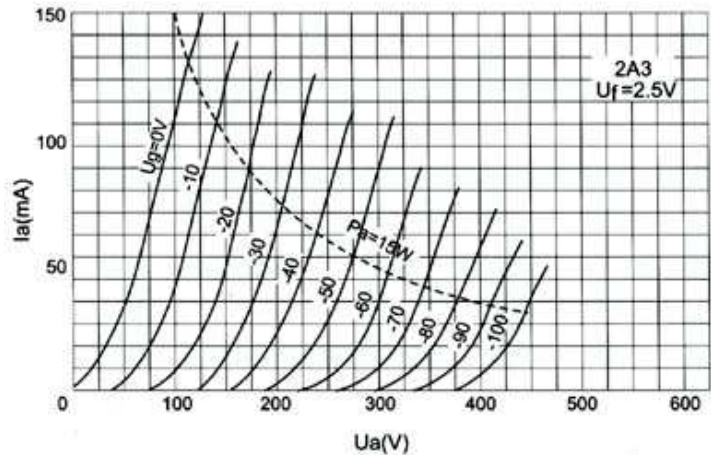
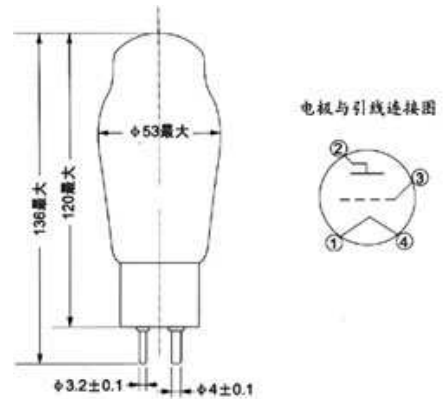
Single tube class A amplifying (fix biasing voltage)

U_a..... 250V
 -U_g.....45V
 R_L.....2.5 kΩ
 I_a(0).....60mA
 G_m.....5.25 Ma/V
 r_i.....0.8 KΩ
 u.....4.2
 P_{out}.....3.5 W
 D_{tot}.....5 %

Driving class AB amplifier

fixed biasing self-biasing

U_a.....300 300 V
 -U_g.....62V R_k=780Ω
 R_L.....3 5 kΩ



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Email: sales@analogmetric.com

üg(pk).....87 110 V
Ia(0).....80 80 mA
Ia(max.sig)...140 100 mA
Pout.....15 10 W
Dtot.....2.5 5 %