

Shuguang Vacuum Tube 2A3 Series

Triode: 2A3C (2A3)

Compatible with: 2A3B

DESCRIPTION

2A3C is compatible with 2A3 and 2A3B. Direct heating cathode and low power consumption. Two triodes can be used for class A and AB amplification.

FEATURES

- Gold-plated pins, ceramic tube socket
- Using high transparency tube envelop of 300B
- New design of filament hooking
- High evacuated tube, make it more stable and reliable.
- Fix three layer mica film provides firm inner structure for anti-vibration and reduces microphone effect.



SPECIFICATION

Filament Heating

Uf 2.5 V
If.....2.5 A

Maximum Ratings

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

Capacitances

Input capacitance..... 7.5 PF
Output capacitance.....16.5 PF
Muller capacitance.....5.5 PF

DC Parameters

Ua..... 300 V
-Ug..... 45 V
Ia..... 60 mA
Gm..... 5.25 mA/V
ri..... 0.8 kΩ
u..... 4.2
Pout.....3.5 W

Recommended Operating Condition (reference value)

Single tube for class A amplifying(fix biasing voltage)

Ua..... 250 V
-Ug.....45 V
RL.....2.5 kΩ
Ia(0).....60 mA
Gm.....5.25 Ma/V
ri.....0.8 KΩ
u.....4.2
Pout.....3.5 W
Dtot.....5 %

For class AB amplifier

fixed biasing self-biasing

Ua.....300 300 V
-Ug.....62 Rk=780Ω V
RL.....3 5 kΩ
üg(pk).....87 110 V
Ia(0).....80 80 mA

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Ia(max.sig)...140 100mA
Pout.....15 10 W
Dtot.....2.5 5 %