

Shuguang Vacuum Tube 845

Emitter Tube: 845B (845)

Compatible with: UY-845

DESCRIPTION

Direct heating, thorium cathode made by Toshiba, high gain triode 845B can be used in class A and AB power amplification.

FEATURES

- High purity of titanized graphite plate
- Maximum plate power dissipation can reach 100W



SPECIFICATION

Filament Heating

U_f10V
 I_f.....2.5A

Maximum Ratings

Plate voltage.....1250 V
 Plate current (max. amplitude).....120 mA
 Plate power dissipation.....75 W
 Input power (max. amplitude).....150W

Capacitance

Input capacitance.....6pF
 Output capacitance.....4.5pF
 Muller capacitance.....14.5pF

DC Parameters

U_a.....1250 V
 -U_g.....200 V
 I_a.....80 mA
 G_m.....3mA/V
 r_i.....1.7kΩ
 u(when I_a=20mA)5
 R_L.....3.4 kΩ
 P_{out}.....15W

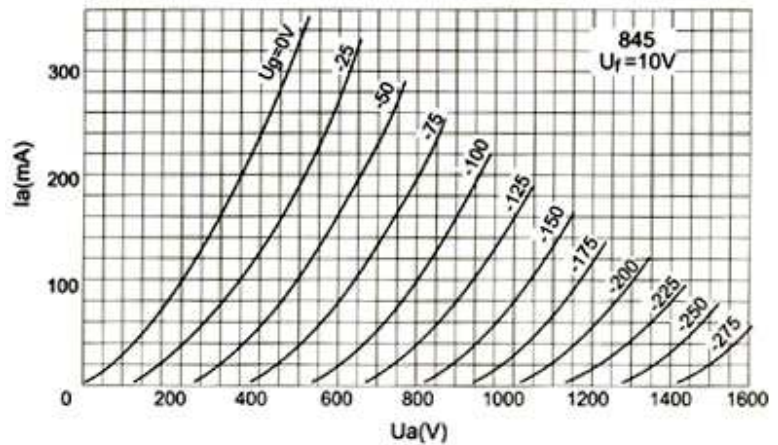
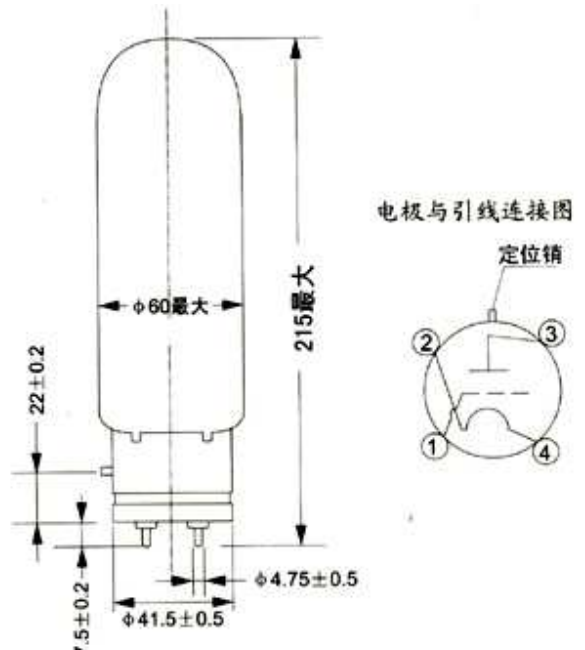
Recommended Operating Condition

(suggested value)

U_a.....1000 1000 1250 V
 -U_g145 155 209 V
 R_L.....6 9 16 kΩ
 I_a.....90 65 52 Ma
 ü_g(pk).....- 110 148 V
 r_i.....1.7 1.9 2.1 kΩ
 G_m.....3.1 - - mA/V
 P_{out}.....24 21 24 W
 D_{tot}......5 - - %

Class AB amplifying

U_a.....800 1000 1000 1250 V
 -U_g.....125 170 175 225 V
 R_L.....4.5 4.6 4.6 6.6 kΩ
 I_a.....80 70 40 40 mA
 ü_g(pk).....177 240 - - V



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Ia(max.sig).....170 230 230 240 mA
Pout.....40 75 75 115 W