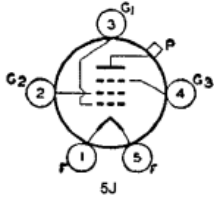


RK28A Power Pentode

Outline



Mechanical Data

EIA Base 5J

Electrical Data

Heater Voltage 10 V
Heater Current 5.0 A

Direct Interelectrode Capacitances (approx)

Pentode
Input 15 pf
Output 15 pf
Grid to Plate 0.02 pf

Maximum Ratings (Design Center Values)

Pentode
Plate Voltage 2000 V
Grid No. 2 Voltage 400 V
Plate Dissipation 125 W
Grid No. 2 Dissipation 35 W

Characteristics and Typical Operation

Class C Amplifier

Plate Voltage 2000 V
Grid No. 3 Voltage 45 V
Grid No. 2 Voltage 400 V
Grid No. 1 Voltage -100 V
Grid No. 1 Current 10 mA
Plate Current 170 mA
Grid No. 2 Current 60 mA
Driving Power 1.6 W
Power Output (approx) 250 W

Class C Modulated Amplifier (Plate)

Plate Voltage 1500 V
Grid No. 3 Voltage 45 V
Grid No. 2 Voltage 400 V
Grid No. 1 Voltage -100 V
Grid No. 1 Current 10 mA
Plate Current 135 mA
Grid No. 2 Current 54 mA
Driving Power 1.6 W
Power Output (approx) 150 W

Class C Modulated Amplifier (Suppressor)

Plate Voltage 2000 V
Grid No. 3 Voltage -45 V
Grid No. 2 Voltage 400 V
Grid No. 1 Voltage -115 V
Grid No. 1 Current 11.5 mA
Plate Current 90 mA
Grid No. 2 Current 52 mA
Driving Power 1.5 W
Power Output (approx) 60 W

Class C Modulated Amplifier (Grid)

Plate Voltage 2000 V
Grid No. 3 Voltage 45 V
Grid No. 2 Voltage 400 V
Grid No. 1 Voltage -55 V
Grid No. 1 Current 2 mA
Plate Current 80 mA
Grid No. 2 Current 18 mA
Driving Power 0.5 W
Power Output (approx) 60 W