

6GF5 Beam Power Pentode

EIA Base & Outline



Substitute Data

Substitutes 6GE5

Source GE - 1973

Mechanical Data

Source GE - 1973

Bulb T-9

EIA Outline 9-60

EIA Base 12BJ

Electrical Data

Source GE - 1973

Heater Voltage 6.3 V

Heater Current 1.2 A

Direct Interelectrode Capacitances (approx)

Pentode

Source GE - 1973

Input 16 pf

Output 7.5 pf

Grid to Plate 0.2 pf

Maximum Ratings (Design Center Values)

Pentode

Source GE - 1973

Plate Voltage 770 V

Grid No. 2 Voltage 220 V

Plate Dissipation 9.0 W

Grid No. 2 Dissipation 2.5 W

Characteristics and Typical Operation

Class A Amplifier

Source GE - 1973
Plate Voltage 250 V
Grid No. 2 Voltage 150 V
Grid No. 1 Voltage -26.5 V
Plate Resistance (approx) 260K Ω
Transconductance 4700 μ
Plate Current 34 mA
Grid No. 2 Current 1.6 mA

Horiz Defl Amplifier

Source GE - 1973
DC Plate Supply Voltage 250 V
Peak Negative-Pulse Plate Voltage 150 V
DC Grid No. 3 Voltage 5000 V
DC Grid No. 2 Voltage -26.5 V
Peak Negative-Pulse Grid No. 1 Voltage 34 V
Average Cathode Current 160 mA