

RF or AF AMPLIFIER

6SJ7GT

12SJ7GT

Sharp Cutoff Pentode

ConstructionOctal T-9
 BaseOctal 8 Pin, B8-26
 Basing8N
 Outline9-12
 Maximum Diameter1.188 In.
 Maximum Seated Height2.750 In.
 Maximum Overall Height3.312 In.

ELECTRICAL DATA

HEATER OPERATION

Heater Voltage.....
 Heater Current
 Maximum Heater-Cathode Voltage

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

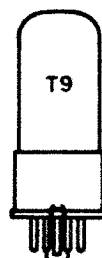
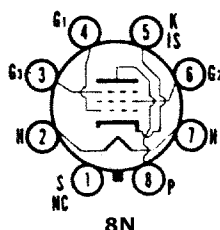
Grid No. 1 to Plate (Max.)..... 0.005 Pf
 Input: g1 to (h + k + g2 + g3) 7.0 Pf
 Output: p to (h + k + g2 + g3) 7.0 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.) 300 Volts
 Grid No. 3 VoltageConnected to Cathode at Socket
 Grid No. 2 Supply Voltage (Max.) 300 Volts
 Grid No. 2 VoltageSee Rating Chart (Gen. Info. Sec.)
 Plate Dissipation (Max.) 2.5 Watts
 Grid No. 2 Dissipation (Max.) 0.7 Watts
 Positive Grid No. 1 Voltage (Max.) 0 Volt
 Grid Circuit Resistance (Self Bias) (Max.) 1.0 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage 100 250 Volts
 Grid No. 3 VoltageConnected to Cathode at Socket
 Grid No. 2 Voltage 100 100 Volts
 Grid No. 1 Voltage -3 -3 Volts
 Plate Current 2.9 3 Ma
 Grid No. 2 Current 0.9 0.8 Ma
 Transconductance 1575 1650 μ mhos
 Plate Resistance (Approx.) 0.7 1.0 Megohm
 Ec1 for Ib = 10 μ a (Approx.) -8 -8 Volts



12SJ7GT

6SJ7GT

12.6

6.3 Volts

150

300 Ma

90

90 Volts