

6SK7GT

12SK7GT

RF or IF AMPLIFIER

Remote Cutoff Pentode

ConstructionOctal T-9
BaseOctal 8 Pin, B8-6
Basing8N
Outline9-11
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

12SK7GT

12.6
150
90

6SK7GT

6.3 Volts
300 Ma
90 Volts

DIRECT INTERELECTRODE CAPACITANCES (Shielded)

Grid No. 1 to Plate (Max.).....
Input: g1 to (H + k + g2 + g3)
Output: p to (H + k + g2 + g3)

0.005 Pf
6.5 Pf
7.5 Pf

RATINGS (Design Center Rating System)

Plate Voltage (Max.)
Grid No. 2 Supply Voltage (Max.)
Grid No. 2 Voltage
Positive Grid No. 1 Voltage (Max.)
Plate Dissipation (Max.)
Grid No. 2 Dissipation (Max.)

300 Volts
300 Volts
0 Volt
4.0 Watts
0.4 Watt

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage
Grid No. 3 Voltage
Grid No. 2 Voltage
Grid No. 1 Voltage
Plate Current
Grid No. 2 Current
Transconductance
Plate Resistance (Approx.)
Ec1 for Gm = 10 μ mhos (Approx.)

100
100
-1
13
4.0
2350
120,000
-35

250 Volts
Connected to Cathode at Socket
100 Volts
-3 Volts
9.2 Ma
2.6 Ma
2000 μ mhos
800,000 Ohms
-35 Volts

