

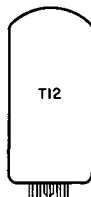
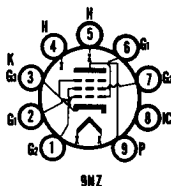
HORIZONTAL DEFLECTION AMPLIFIER

6GT5A

12GT5A, 17GT5A

Beam Power Pentode

Construction Novar T-12
Base Novar Button 9 Pin, E9-88
(Exhaust Tip on Base)
Basing 9NZ
Outline 12-95
Maximum Diameter 1.562 In.
Maximum Seated Height 2.500 In.
Maximum Overall Height 2.880 In.
The 6GT5A, 12GT5A, and 17GT5A are identical
to the 6GT5, 12GT5, and 17GT5 except
for base with exhaust tip at bottom and
shorter bulb.



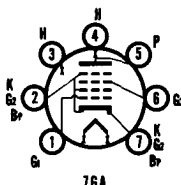
VHF AMPLIFIER

6GU5

2GU5, 3GU5

Shadow Grid Beam Pentode

Construction Miniature T-5½
Base Button 7 Pin, E7-1
Basing 7GA
Outline 5-2
Maximum Diameter 0.750 In.
Maximum Seated Height 1.875 In.
Maximum Overall Height 2.125 In.



ELECTRICAL DATA HEATER OPERATION

Heater Voltage
Heater Current
Heater Warm-up Time

2GU5

2.4
600
11

3GU5

3.1
450
11

6GU5

6.3 Volts
220 Ma
— Seconds

Maximum Heater-Cathode Voltage

Heater Negative with Respect to Cathode

Total DC and Peak

200 Volts

Heater Positive with Respect to Cathode

DC

Total DC and Peak

100 Volts
200 Volts

DIRECT INTERELECTRODE CAPACITANCES (Unshielded)

Grid No. 1 to Plate

0.018 Pf

Input: g1 to (h + k + g2 + g3 + bp)

7.0 Pf

Output: p to (h + k + g2 + g3 + bp)

3.2 Pf

RATINGS (Design Maximum Rating System)

Plate Voltage (Max.)

300 Volts

Screen Voltage (Max.)

150 Volts

Positive DC Grid No. 1 Voltage (Max.)

0 Volt

Negative DC Grid No. 1 Voltage (Max.)

50 Volts

Plate Dissipation (Max.)

3.0 Watts

Screen Dissipation (Max.)

0.15 Watt

DC Cathode Current (Max.)

20 Ma

Grid No. 1 Circuit Resistance

With Fixed Bias (Max.)

0.5 Megohm

CHARACTERISTICS AND TYPICAL OPERATION

Plate Voltage

135

275 Volts

Screen Voltage

135

135 Volts

Grid No. 1 Voltage

-0.4

-0.4 Volt

Plate Resistance (Approx.)

0.67

0.165 Megohm

Transconductance

15,000

15,500 μ mhos

Plate Current

9.0

10 Ma

Screen Current

0.25

0.17 Ma

Noise Figure

Measured at 200 Hz

5.9

5.7 Decibels

Grid No. 1 Voltage (Approx.)

-6.2

-6.5 Volts

Gm = 100 μ mhos