

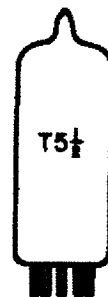
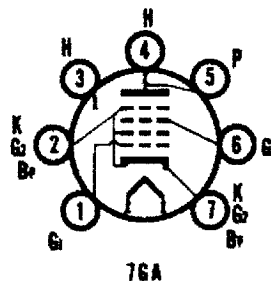
VHF AMPLIFIER

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

	2GU5	3GU5	6GU5
Heater Voltage.....	2.4	3.1	6.3 Volts
Heater Current	600	450	220 Ma
Heater Warm-up Time	11	11	— Seconds
Maximum Heater-Cathode Voltage			
Heater Negative with Respect to Cathode			
Total DC and Peak.....			200 Volts
Heater Positive with Respect to Cathode			
DC			100 Volts
Total DC and Peak.....			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 μmhos
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.)		
Gm = 100 μmhos	-6.2	-6.5 Volts