

Plate Current	4.2 Ma
Grid No. 2 Current	1.7 Ma
Grid No. 1 Voltage for Plate $\mu_a = 20$ (Approx.)	-4 Volts
Triode Connection	
Grid No. 2 Connected to Plates 1A, 1B, and 2 at Socket	
Plate Voltage	100 Volts
Grid No. 1 Supply Voltage	0 Volt
Grid No. 1 Resistor (Bypassed)	2.2 Megohms
Transconductance	4500 μ mhos
Amplification Factor	45
Plate Current	5.5 Ma
Separate Plate Operation (Plates Not Under Test Grounded)	
Plate Voltage:	
Plate 1A.....	100 Volts
Plate 1B	100 Volts
Plate 2	100 Volts
Grid No. 2 Voltage	100 Volts
Grid No. 1 Supply Voltage.....	0 Volt
Grid No. 1 Resistor (Bypassed)	2.2 Megohms
Transconductance:	
Grid No. 1 to Plate 1A	2000 μ mhos
Grid No. 1 to Plate 1B	2000 μ mhos
Grid No. 1 to Plate 2	1800 μ mhos
Plate Resistance (Approx.):	
Plate 1A.....	0.1 Megohm
Plate 1B	0.1 Megohm
Plate 2	0.12 Megohm
Plate Current:	
Plate 1A.....	2.3 Ma
Plate 1B	2.3 Ma
Plate 2	2.1 Ma
Grid No. 2 Current:	
For Plate 1A Volts = 100	3.8 Ma
For Plate 1B Volts = 100	3.8 Ma
For Plate 2 Volts = 100	3.3 Ma

Color Television Type

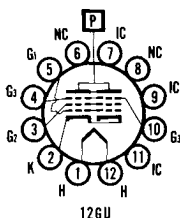
HORIZONTAL DEFLECTION AMPLIFIER

6KN6

42KN6

Beam Power Pentode (2 Sections in Parallel)

Construction.....	Compactron T-12
Base	Button 12 Pin, E12-74
Top Cap	C1-2 or C1-3
Basing	12GU
Outline	12-82
Maximum Diameter	1.562 In.
Maximum Seated Height	4.000 In.
Maximum Overall Height	4.375 In.



ELECTRICAL DATA HEATER OPERATION

	42KN6	6KN6
Heater Voltage.....	42	6.3 Volts
Heater Current.....	450	3000 Ma
Heater Warm-up Time.....	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 to Plate	1.0 Pf
Input	44.0 Pf
Output	18.0 Pf

RATINGS (Design Maximum Rating System)

Horizontal Deflection Amplifier (Sections in Parallel)⁽¹⁾

DC Plate Supply Voltage (Boost + DC Power Supply) (Max.)	770 Volts
Peak Positive Pulse Plate Voltage	6500 Volts
Peak Negative Pulse Plate Voltage (Max.)	1500 Volts

