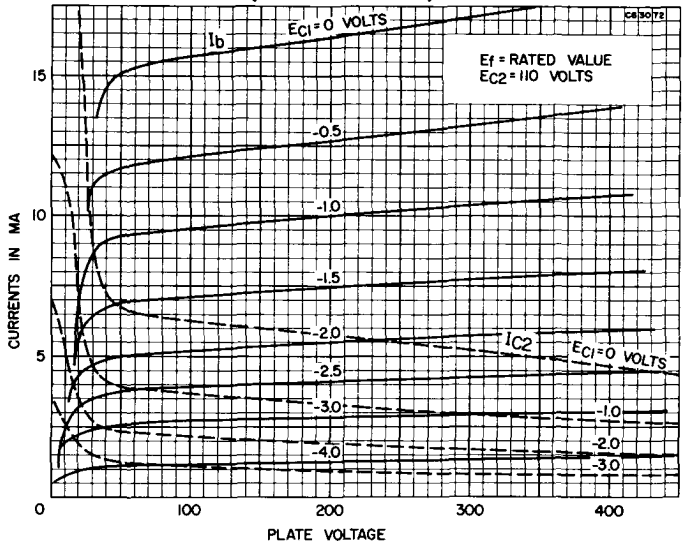
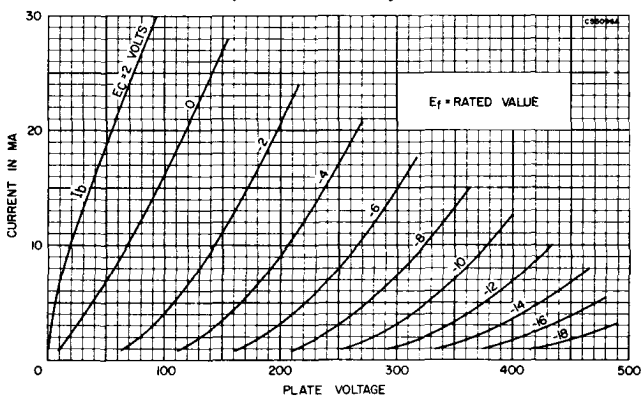


AVERAGE PLATE CHARACTERISTICS
(Pentode Section)



AVERAGE PLATE CHARACTERISTICS
(Triode Section)



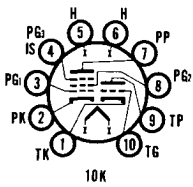
6U9

5U9/LCF201, 8U9

**IF AMPLIFIER (P)
SYNC SEPARATOR or OSC. (T)**

Triode and Pentode

- Construction Miniature T-6½
- Base Button 10 Pin
- Basing 10K
- Outline 6-2
- Maximum Diameter 0.875 In.
- Maximum Seated Height 1.937 In.
- Maximum Overall Height 2.187 In.



ELECTRICAL DATA**HEATER OPERATION**

	8U9	5U9/LCF201	6U9
Heater Voltage.....	8.0	5.9	6.3 Volts
Heater Current	300	450	410 Ma
Maximum Heater-Cathode Voltage	165	110	165 Volts

DIRECT INTERELECTRODE CAPACITANCES**Pentode Section**

Plate to All Other Elements (Except Grid No. 1).....	3.5 Pf
Grid No. 1 to All Other Elements (Except Plate).....	6.5 Pf
Grid No. 1 to Cathode	4.0 Pf
Plate to Grid No. 1	0.0065 Pf
Grid No. 1 to Grid No. 2	1.8 Pf

Triode Section

Plate to All Other Elements (Except Grid)	3.0 Pf
Grid to All Other Elements (Except Plate)	2.5 Pf
Plate to Grid	2.0 Pf

Between Pentode and Triode Section

Plate of Pentode to Plate of Triode	0.015 Pf
Control Grid of Pentode to Plate of Triode	0.0012 Pf
Control Grid of Pentode to Grid of Triode	0.0015 Pf

RATINGS (Absolute Maximum Rating System)**Pentode Section**

Plate Voltage (Zero Plate Current)	600 Volts
Plate Voltage	275 Volts
Plate Dissipation	2.4 Watts
Grid No. 2 Voltage (Zero Grid Current)	600 Volts
Grid No. 2 Voltage	275 Volts
Grid No. 2 Dissipation	0.8 Watt
Cathode Current	20 Ma
Grid No. 1 Resistor	1 Megohm

Triode Section

Plate Voltage (Zero Plate Current)	600 Volts
Plate Voltage	275 Volts
Plate Dissipation	1.75 Watts
Cathode Current	20 Ma
Peak Cathode Current	55 Ma
Grid Resistor	1 Megohm

CHARACTERISTICS AND TYPICAL OPERATION**Pentode Section**

Plate Voltage	160 Volts
Grid No. 2 Voltage	110 Volts
Grid No. 3 Voltage	0 Volt
Grid No. 1 Voltage	-1.4 Volts
Plate Current	13 Ma
Grid No. 2 Current	5 Ma
Transconductance	12,000 μ mhos
Amplification Factor (Grid No. 1 to Grid No. 2)	45

Triode Section

Plate Voltage	100 Volts
Grid Voltage	-2 Volts
Plate Current	14 Ma
Transconductance	5000 μ mhos
Amplification Factor	17

OPERATING CHARACTERISTICS**Pentode Section—Video IF Amplifier**

Supply Voltage.....	135	230	250 Volts
Grid No. 3 Voltage	0	0	0 Volt
Plate Resistance.....	0	5.6	6.8 K Ohms
Grid No. 2 Resistor	5.1	24	27 K Ohms
Cathode Resistor	78	78	74 Ohms
Plate Current	13	13	13.5 Ma
Grid No. 2 Current	5	5	5.2 Ma
Transconductance	12,000	12,000	12,300 μ mhos
Grid No. 1 Circuit Resistance (40 MHz)	7.4	7.4	7.4 K Ohms

Triode Section—Line Blocking Oscillator

Plate Voltage	30 Volts
Grid Voltage	1.5 Volts
Peak Cathode Current	40 Ma
Peak Plate Current	25 Ma
Peak Grid Current	15 Ma

Triode Section—Sync Separator

Plate Voltage	130-150 Volts
Plate Resistance.....	33 K Ohms
Grid Current	1 μ a
Plate Current	72 Ma