CATHODE RAY TUBE OPERATING CHARACTERISTICS

3AP1/906-P1  3AP4/906-P4
Three Inch Videotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 2.5 Volts
HEATER CURRENT: 1.1 Amps.
ELECTROSTATIC DEFLECTION

CHARACTERISTICS:
- High-Voltage Anode (No. 2) 1500 max. Volts
- Focusing Anode (No. 1) 1000 max. Volts
- Cut-off Grid Voltage -50 ± 10%
- Peak Voltage Between High-Voltage Anode and Any Deflecting Plate 600 max. Volts
- Fluorescent Screen Input Power Per Sq. Cm. 10 max. Milliwatts

TYPICAL OPERATION:
- Anode No. 1 Voltage 600 800 1200 1500 Volts
- Anode No. 2 Voltage 170 250 345 430 Volts
- Cut-off Grid Voltage Adjust to Give Suitable Luminous Spot
- Deflection Sensitivity: Plates D1 & D2 0.55 41 0.27 0.23 MM/ Volt D.C.
- Plates D3 & D4 0.58 44 0.29 0.23 MM/ Volt D.C.
- CAPACITANCE: Grid-to-all-other-Electrodes 9 µµ

5AP4/1805-P4
Short Five Inch Videotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 6.3 Volts
HEATER CURRENT: 0.6 Amps.
ELECTROSTATIC DEFLECTION

CHARACTERISTICS:
- High-Voltage Anode (No. 2) 2000 max. Volts
- Focusing Anode (No. 1) 700 max. Volts
- Control Grid Voltage Never Positive
- Cut-off Grid Voltage -67 ± 30%
- Fluorescent-Screen Input Power Per Sq. Cm. 10 max. Milliwatts
- Fluorescent Color White

TYPICAL OPERATION:
- Anode No. 2 Voltage 1500 2000 Volts
- Anode No. 1 Voltage 425 575 Volts
- Grid Voltage Adjust for Suitable Luminous Spot
- Deflection Sensitivity: D1 & D2 0.22 0.16 0.12 0.08 MM/ Volt D.C.
- D3 & D4 0.20 0.17 0.13 0.09 MM/ Volt D.C.
- CAPACITANCE: Grid-to-all-other-Electrodes 12 µµ

5BP1/1802-P1  5BP4/1802-P4
Long Five Inch Videotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 6.3 Volts
HEATER CURRENT: 0.6 Amps.
ELECTROSTATIC DEFLECTION

CHARACTERISTICS:
- High-Voltage Anode (No. 2) 2000 max. Volts
- Focusing Anode (No. 1) 500 max. Volts
- Control Grid Voltage Never Positive
- Cut-off Grid Voltage -40 ± 50%
- Fluorescent-Screen Input Power Per Sq. Cm. 10 max. Milliwatts

TYPICAL OPERATION:
- Anode No. 1 Voltage 1200 1500 2000 Volts
- Anode No. 1 Voltage 250 310 425 Volts
- Grid Voltage Adjust for Suitable Luminous Spot
- Deflection Sensitivity: D1 & D2 0.3 0.4 0.3 MM/ Volt D.C.
- D3 & D4 0.55 0.44 0.33 MM/ Volt D.C.
- CAPACITANCE: Grid-to-all-other-Electrodes 9 µµ

7AP4
Short Seven Inch Videotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 2.5 Volts
HEATER CURRENT: 2.1 Amps.
ELECTROMAGNETIC DEFLECTION

CHARACTERISTICS:
- High-Voltage Anode (No. 2) 3500 max. Volts
- Focusing Anode (No. 1) 1000 max. Volts
- Cut-off Control Grid Voltage (No. 1) -30 ± 50%
- Fluorescent-Screen Input Power Per Sq. Cm. 2.5 max. Milliwatts
- Fluorescent Color White

TYPICAL OPERATION:
- Anode No. 2 Voltage 3500 Volts
- Anode No. 1 Voltage approx. 675 Volts
- Control Grid Voltage Adjust for Suitable Luminous Spot
- Grid Voltage Peak-to-Peak 11 Volts
- Signal Voltage 11 Volts
- CAPACITANCE: Grid to all other Electrodes 12 µµ
TYPE 2002
Two Inch Videotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 6.3 Volts
HEATER CURRENT: 6.5 Amps.
ELECTROSTATIC DEFLECTION
High Voltage Anode (No. 2) 600 max. Volts
Focusing Anode (No. 1) 575 max. Volts
Control Grid Voltage Never Positive
Cathode Grid Voltage* -50 ± 20% Volts
Fluorescent Screen Input Power Per Sq. Cm. 10 max. Milliwatts
Fluorescent Color Green
Overall Length 5-7/16” ± 3/16”
Maximum Diameter 2-1/16”
Base Octal 8 Pin
TYPICAL OPERATION:
Anode No. 2 Voltage 400 max. Volts
Anode No. 1 Voltage 100 approx. Volts
Grid Voltage Adjust for Suitable Luminous Spot
Deflection Sensitivity Plates D1 and D2 0.28 min. NM/Volt D.C.
Plates D3 and D4 0.33 min. 222 MM/Volt D.C.
CAPACITANCE:
Grid-to-all-other-Elements 0.0 max.

2030-2031
Monotron
INDIRECTLY HEATED CATHODE
HEATER VOLTAGE: 2.5 Volts
HEATER CURRENT: 2.1 Amps.
ELECTROSTATIC DEFLECTION
CHARACTERISTICS:
High-Voltage Anode (No. 2) 1000 max. Volts
Focusing Anode (No. 1) 400 max. Volts
Grid Voltage for Cut-off 0 ± 50% Volts
Signal-Plate Voltage measured from Anode No. 2 — 150 max. Volts
Signal-Plate Input Power 5 max. MW/Sq. Cm.
Signal Output (Plate to Plate) 0.01 MA.
Deflection Sensitivity:
D1 & D2 0.27 MM/Volt D.C.
D3 & D4 0.30 MM/Volt D.C.
Picture Detail 300 Lines
TYPICAL OPERATION:
Anode No. 2 Voltage 900 Volts
Anode No. 1 Voltage 250 Volts
Grid Voltage Adjust to Give Desired Output
Signal-Plate Voltage measured from Anode No. 2 — 70 Volts
CAPACITANCE:
Grid-to-all-other-Elements 9 μF