VACUUM TUBE PRODUCTS

VTP 5ACP4

The VTP 5ACP4 cathode ray tube is an electro-magnetic deflection and electro-static focus tube of the zero focus voltage type providing high definition and intensity. A metal backed screen is used to provide the ultimate conditions when viewing is required at high ambient light levels. The metallic coating also provides freedom from ion burns. A high quality optical glass face plate is used to allow full benefit of the excellent signal presentation. Assurance of long life is had through the exclusive Vacuum Tube Products method of long and careful exhaust.

The VTP 5ACP4 tube is interchangeable with the old style 5F tube by merely removing the focus coil and connecting a jumper between pin 6 and 7 in equipment designed for the 5F. An improvement in equipment operation will be noticed in any units operating above 3000 anode volts.

GENERAL CHARACTERISTICS

Heater Voltage ........................................ 6.3 Volts
Heater Current ........................................ 0.6 Amperes
Anode Voltage (conductive inner wall coating and G ≠ 3) 18,000 Max Volts D.C.
Grid #2 Voltage (Accelerating Electrode) .............. 410 Max Volts D.C.
Grid #1 Voltage (Control Electrode) ........................
  Negative Bias Value .................................. 125 Max. Volts D.C.
  Positive Bias Value .................................. 0 Max Volts D.C.
  Positive Peak Value .................................. 2 Max. Volts D.C.
Peak Heater to Cathode Voltage
  Heater Negative with respect to Cathode .............. 125 Max. Volts D.C.
  Heater Positive with Respect to Cathode ............. 125 Max. Volts D.C.
Focus Voltage range (Max.) .............................. Electro Static
  plus or minus 500 Volts
Deflection .............................................. Magnetic
Deflection Angle (Approximate) ........................ 53 Degrees
Basing (RTMA 8EQ) ..................................... Medium Shell Octal 8 Pin
  Pin No. 1 2 3 4 5 6 7 8
  Element NC H G#2 NC G#1 F K H
Anode contact is small recessed ball cap in bulb wall.

TYPICAL OPERATION

Heater Voltage ........................................ 6.3 Volts
Anode Voltage ......................................... 12,000 Volts
Grid #2 Voltage ........................................ 250 Volts
Grid #1 Voltage .........................................—27 to —63 Volts
Focus Voltage .......................................... Zero
Grid #1 Circuit resistance
  Maximum .............................................. 1.5 Megohms
  Minimum .............................................. 150 Ohms
Grid #2 Circuit Resistance ............................. 470 Min Ohms
Anode Circuit Resistance ............................... 15,000 Min Ohms

Note: Type VTP 5ACP4 tube operates from power supplies that are dangerous.
The above circuit values are recommended as a safety measure.

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