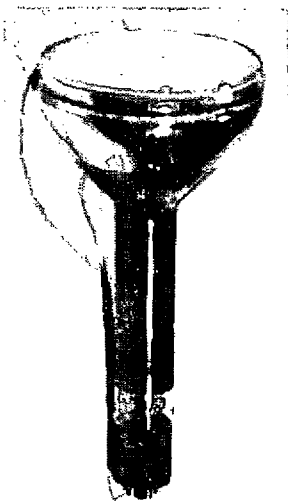


VACUUM TUBE PRODUCTS



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	Electro Static
Focus Voltage range (Max.)	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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