## VACUUM TUBE PRODUCTS



The VTP 5AJ cathode ray tube is an electro-static deflection and focus type tube for general oscillographic and other applications requiring relatively large screen size with a minimum overall length. The tube is designed with a high voltage post-deflection accelerator electrode making possible a high intensity spot with a minimum loss of deflection sensitivity. A special feature of the tube lies in the design of the intensifier together with the electrically conductive screen to provide an anode for the electron beam. This type of operation allows the use of a soft main beam to provide high deflection sensitivity while allowing the use of intensifier voltages up to ten times the beam voltage. The above operation provides excellent signal presentation with high deflection sensitivity and intensity with an excellent spot characteristic in a minimum overall length. Assurance of long life is had through the exclusive Vacuum Tube Products method of long and careful exhaust. The VTP 5AJ cathode ray tube is

P 1, 2, 3, 4, 5, 7, 11, 12, 14, 15, 16; 17; 18; 19; 20.

available with the following phosphors:

## MAXIMUM RATINGS - DESIGN CENTER VALUES

Heater Voltage
11
Heater Current
Anode #3 Voltage (Accelerator Electrode)
Anode #2 Voltage (High Voltage Electrode)
Anode #1 Voltage (Focusing Electrode)
Grid #1 Voltage (Control Electrode)
Negative Bias Value
Positive Bias Value
Positive Peak Value
Peak Voltage between Anode #2 and any deflecting Electrode 500 Max. Volts D.C.
Peak Heater to Cathode Voltage
Heater Negative with respect to Cathode
Heater Positive with respect to Cathode
Basing
Pin No. 1 2 3 4 5 6 7 8 9 10 11 12
Element H K NC DI F D4 A#2 D2 D3 NC G#1 H
TYPICAL OPERATING CONDITIONS
Heater Voltage 6.3 Volts
Anode #3 Voltage 6000 Volts D.C.
Anode #2 Voltage
Anode #1 Voltage Range
Grid #1 Voltage Range
Deflection Sensitivity
Denection Sensitivity
MAXIMUM CIRCUIT VALUES
Grid #1 Circuit Resistance
Resistance in any Deflecting Electrode Circuit
Note: Type VTP 5AJ tube operates from power supplies that are dangerous.
The above circuit values are recommended as a safety measure.

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