

VACUUM TUBE PRODUCTS



VTP 7L

The VTP 7L cathode ray tube is an electro magnetic deflection and electrostatic 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 7L cathode ray tube is available with the following phosphors:
P 1, 2, 3, 4, 5, 7, 11, 12, 15, 16, 17; 18; 19; 20.

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	Electrostatic
Focus Voltage Range (Max.).....	plus or minus 500 Volts
Deflection	Magnetic
Deflection Angle (approximate)	53 Degrees
Basing (RTMA 8EQ)	Medium Shell Octal 8 Pin

Anode contact is small recessed ball cap in bulb wall.

TYPICAL OPERATION

Pin No.	1	2	3	4	5	6	7	8
Element	NC	H	G#2	NC	G#1	Focus	K	H
Heater Voltage	6.3 Volts							
Anode Voltage	12,000 Volts D.C.							
Grid #2 Voltage	250 Volts D.C.							
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 7L tube operates from power supplies that are dangerous.
The above circuit values are recommended as a safety measure.

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