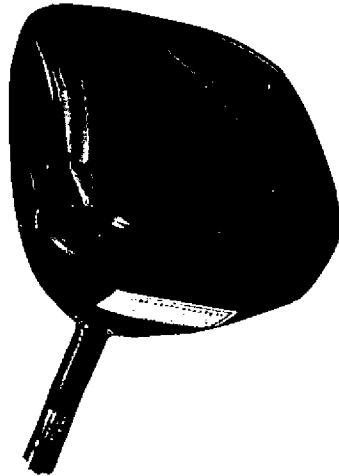


VACUUM TUBE PRODUCTS



VTP 16AF

The VTP 16AF cathode ray tube is an electro magnetic deflection and electrostatic focus type tube, providing high definition and intensity. The 16AF is designed with a zero focus type electron gun affording substantially automatic focus, independent of accelerator voltage variations. A metal backed screen is used to provide the ultimate when viewing is required at high ambient light levels. The metallic coating also provides freedom from ion burns. Assurance of long life is had through the exclusive Vacuum Tube Products method of long and careful exhaust. The VTP 16AF cathode ray tube is available with the following phosphors:

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

GENERAL CHARACTERISTICS

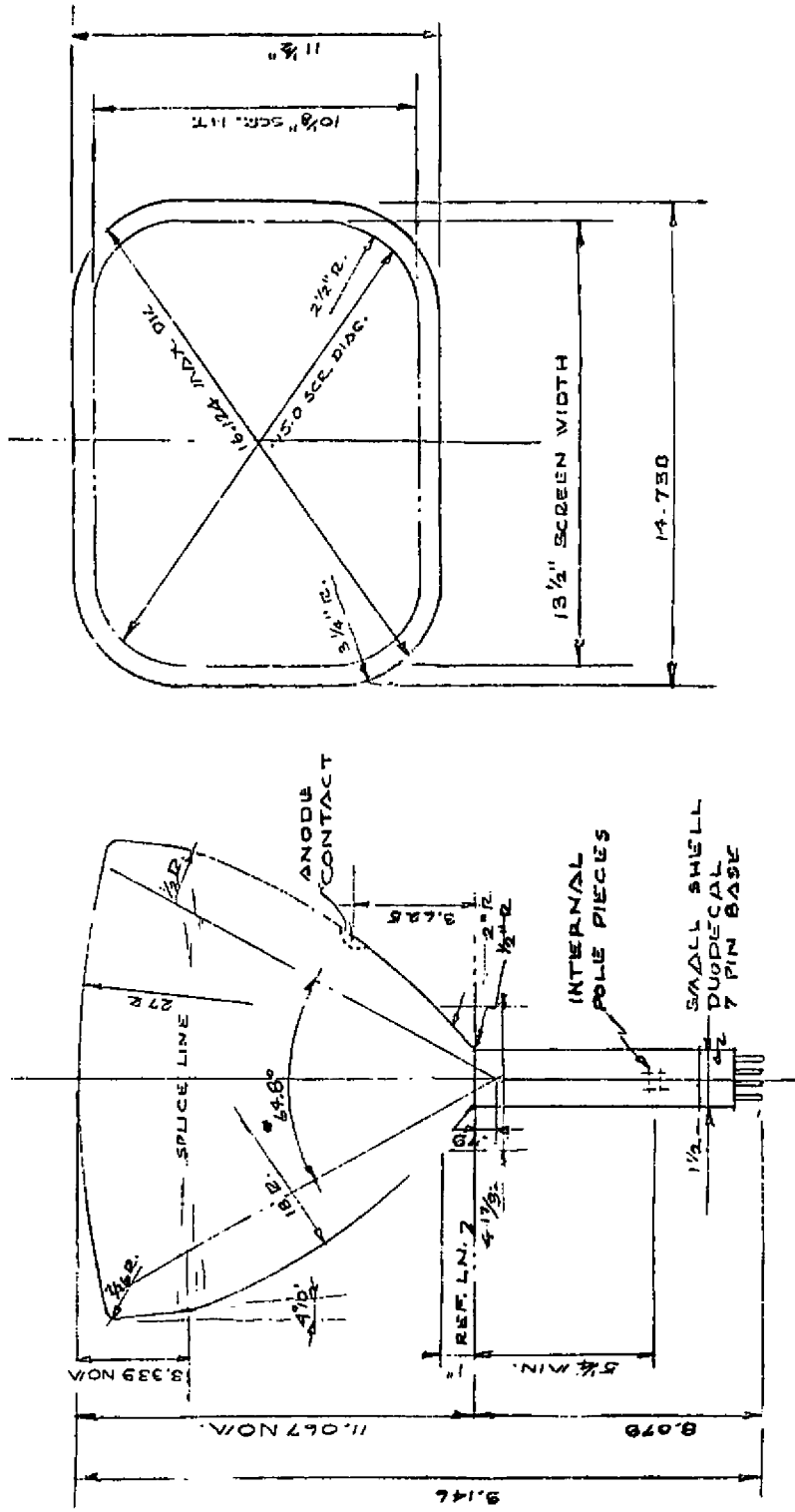
Heater Voltage	6.3 Volts
Heater Current	0.6 Amperes
Anode Voltage (conductive inner wall coating and G #3).....	16,000 Max. Volts D.C.
Grid #2 Voltage (accelerating electrode)	410 Max. Volts D.C.
Grid # 1 Voltage (control electrode)	
Negative Bias Value	125 Max. Volts D.C.
Positive Bias Value	0 Max. 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).....	65 Degrees
Basing (RTMA) 12L	Small Shell Duodecal 7 Pin
Anode contact is small recessed cavity in bulb wall.	

TYPICAL OPERATION

Pin No.	1	2	6	7	10	11	12	
Element	H	G #1	Focus	NC	G #2	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 16AF tube operates from power supplies that are dangerous.
The above circuit values are recommended as a safety measure.

VACUUM TUBE PRODUCTS, 506 SOUTH CLEVELAND STREET, OCEANSIDE, CALIFORNIA
PHONE: OCEANSIDE 6567



* 70° DIAGONAL
 50.8° HEIGHT

Note: Type VTP 16AF Tube does not regularly employ internal pole pieces.