



The CK1395P- is a 24" rectangular cathode-ray tube which features magnetic major deflection and electrostatic minor deflection. The low-capacitance deflection design permits high speed character formation. Character positioning is accomplished magnetically. High resolution and high brightness are also major features of this tube type. The CK1395P- can be obtained with any of the JEDEC standard phosphors.

ELECTRICAL DATA

GENERAL CHARACTERISTICS:

| | |
|--|--------------------|
| Heater Voltage | 6.3 volts |
| Heater Current at 6.3 Volts | .6 ± 10% amperes |
| Focusing Method | Electrostatic |
| Deflection Method | |
| Major: Deflection Angle Diagonal | 90° Magnetic |
| Minor: Deflection | Electrostatic 2.5° |

DIRECT INTERELECTRODE CAPACITANCES:

| | |
|-----------------------------|--------|
| Cathode to All | 6 pf |
| Grid No. 1 to All | 9 pf |
| D1 to All | 2.5 pf |
| D2 to All | 2.5 pf |
| D3 to All | 2.5 pf |
| D4 to All | 2.5 pf |

OPTICAL DATA

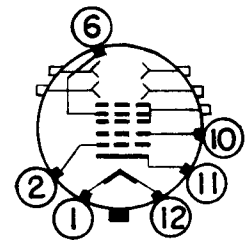
| | |
|--|----------------|
| Screen | P31 Aluminized |
| Fluorescence | Green |
| Persistence | Medium |
| Face Plate (neutral gray) transmission | 76% |

MAXIMUM RATINGS: (Absolute Maximum Ratings)

| | |
|---|-------------------|
| Anode Voltage | 18,000 Max. Volts |
| Focus Electrode | 1,000 Max. Volts |
| Deflection Plate-to-Plate Voltage (MEAN = EA ₂) | 1,000 Max. Volts |
| Grid No. 2 Voltage | 700 Max. Volts |
| Grid No. 1 Voltage | 180 Max. Volts |
| Negative Bias Value | 180 Max. Volts |
| Positive Bias Value | 0 Max. Volts |
| Positive Peak Value | 2 Max. Volts |
| EHK | ± 180 Max. Volts |
| Grid No. 1 Circuit Resistance | 1.5 Max. Megohms |
| Grid No. 2 Circuit Resistance | .1 Max. Megohm |
| Deflection Plate Circuit Resistance | 5.0 Max. Megohms |

MECHANICAL DATA

Overall Length 23" ± 1/4"
 Bulb Number J192A
 Bulb Contact Recessed
 E. S. Deflection Contacts Modified
 J1-22



BASING 12M
Base (6-63)

TERMINAL CONNECTIONS:

| | |
|-----------|-----------------|
| Pin 1 | Heater |
| Pin 2 | Grid #1 |
| Pin 6 | Focus Electrode |
| Pin 10 | Grid #2 |
| Pin 11 | Cathode |
| Pin 12 | Heater |
| Metal Cap | Anode |



CATHODE RAY TUBE CK1395P-

TYPICAL OPERATING CONDITIONS:

| | |
|--|-----------------------------|
| Anode Voltage | 14,000 Volts |
| Focus Electrode Voltage | 0 to 400 Volts |
| Grid No. 2 Voltage | 400 Volts |
| Grid No. 1 Voltage (for cutoff) | -30 to -60 Volts |
| Grid drive for $125 \mu a I_k$ (nominal) | 25 Volts |
| Light Output Note 1 | 50 FL |
| Dynamic Focus Voltage Required | $\Delta 500$ Volts |
| Resolution Note 1 | .015" |
| Spot Position, Focused and Undelected | .625" Radius of true center |

ELECTROSTATIC DEFLECTION CHARACTERISTICS:

| | |
|------------------------------------|-------------------------|
| D1, D2 Deflection Factor | 230 Volts Per Inch Max. |
| D3, D4 Deflection Factor | 230 Volts Per Inch Max. |
| Deflection (ES) Orthogonality | |
| D1, D2 to D3, D4 | $\pm 1^\circ$ |
| D1, D2 to Bulb Axes | $\pm 3^\circ$ |
| Maximum Useful Scan | |
| D1, D2 | 3/4" |
| D3, D4 | 3/4" |

NOTE 1: Light output stated is at .5" per microsecond writing rate, refreshed 60 times per second. Line width stated is also under the same conditions. $I_k = 125 \mu a$ approx.

