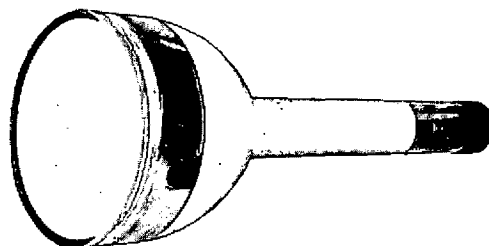


LITTON INDUSTRIES

ELECTRON TUBE DIVISION—ELECTRONIC DISPLAY LABORATORY

1476 66TH STREET • EMERYVILLE, CALIFORNIA • OLYMPIC 8-3831

5CJP11 HIGH DEFINITION CRT

3000 TV LINE RESOLUTION
 FLAT FACE PLATE
 METALLIZED HIGHLY ACTINIC PHOSPHOR SCREEN
 ACTIVE SCREEN AREA $4\frac{1}{4}$ " DIAMETER
 SCREEN VOLTAGE UP TO 30,000 VOLTS

APPLICATIONS

This tube uses "micro-selected" P-11 phosphor, and is especially designed for photographic applications such as side looking radar, transparency reproduction, and high definition TV recording. With other specialized phosphors the same generic tube may be used as a very high definition flying spot scanner, monitor, and radar type CRT.

DATA**GENERAL**

Heater voltage (AC or DC) 6.3 volts
 Heater current 0.6 amperes
 Direct Interelectrode Capacitances:
 Grid #1 to all other electrodes 8 uuf
 Cathode to all other electrodes 5 uuf
 Phosphor Screen:
 Aluminized, controlled particle size P-11
 Fluorescence blue
 Phosphorescence blue
 Decay Rate fast
 Focusing Method Magnetic
 Deflection Method Magnetic
 Deflection Angle 40°

Overall Length $14\frac{3}{8}" \pm \frac{3}{8}"$
 Bulb Diameter, max. $5" \pm \frac{1}{8}"$
 Minimum Useful Screen Diameter $4\frac{1}{4}"$
 Mounting Position Any
 Cap — recessed small cavity (JETEC No. J1-21)
 Base — small shell duodecal (JETEC No. B7-51)

***MAXIMUM RATINGS**

Screen (ultor) voltage 27,000 DC
 Grid #2 voltage 700 DC
 Grid #1 voltage:
 Negative bias value 200 DC
 Positive bias value -1 DC
 Positive peak value 0 volts
 Peak heater — cathode voltages:
 Heater negative with respect to cathode 150 DC
 Heater positive with respect to cathode 150 DC
 Focus coil current

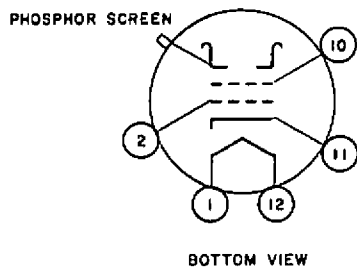
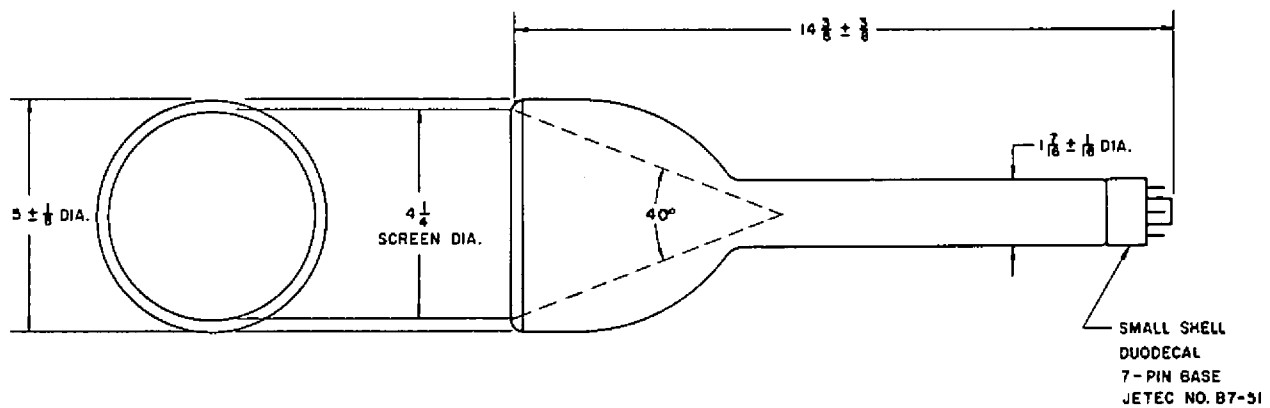
*design-center values

TYPICAL OPERATION

Ultor voltage 27,000 DC
 Grid #2 voltage 500 DC
 Grid #1 voltage for visual extinction
 of focused spot -110 DC
 Circuit values:
 Grid #1 circuit resistance 1.5 megs. max.

5CJP11 HIGH DEFINITION CRT

DIMENSIONAL OUTLINE



PIN 1 - HEATER
PIN 2 - GRID NO. 1
PIN 10 - GRID NO. 2

PIN 11 - CATHODE
PIN 12 - HEATER
BUTTON - ANODE