

(3a)

L-4003

M I C R O P I X

High Definition Cathode Ray Tube

(Tentative)

3,000 TV LINE RESOLUTION
 21" RECTANGULAR GLASS TUBE
 SPHERICAL FACE PLATE, NEUTRAL DENSITY
 GREY GLASS, APPROXIMATELY 74% TRANSMISSION
 METALLIZED PHOSPHOR SCREEN
 ACTIVE SCREEN AREA 15 1/16 x 19 1/16
 SCREEN VOLTAGE UP TO 30,000 volts

Greatest Height 16 3/8" ± 1/8"
 Minimum Useful Screen Size 15 1/16 x 19 1/16
 Mounting Position Any
 Cap-recessed small cavity (JETEC No. J1-21)
 Base-small shell duodecal (JETEC No. B7-51)
 Bulb - J121E1

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 P-4
 Fluorescence White
 Phosphorescence White
 Decay Rate Fast
 Focusing Method Magnetic
 Deflection Method Magnetic
 Deflection Angle 90°

*This tube may be obtained with other standard phosphors on special order.

MECHANICAL DATA

Overall Length 24" ± 1/8"
 Greatest Width 20 1/8" ± 1/8"
 Diagonal 21 3/8" ± 1/8"

MAXIMUM RATINGS

Screen (anode) voltage 30,000 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

TYPICAL OPERATION

Anode voltage 27,000 DC
 Grid #2 voltage 500 DC
 Grid #1 voltage for visual extinction of focused spot -100 DC
 Circuit values:
 Grid #1 circuit resistance 1.5 megs. max.

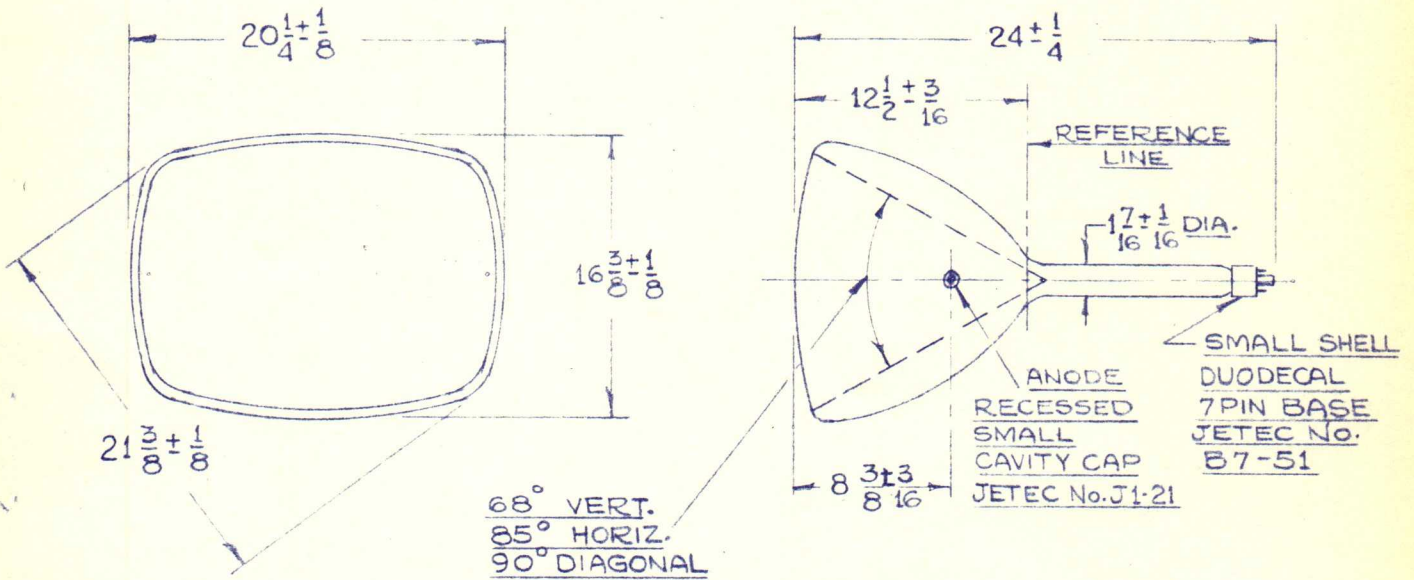
LITTON INDUSTRIES
 Electron Tube Division, Electronic Display Laboratory
 960 Industrial Rd., San Carlos, Calif.
 LYtell 1-8411

L-4003
"MICROPIX"

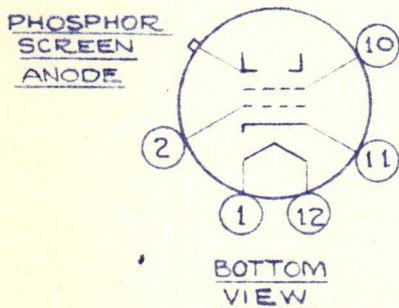
21 INCH RECTANGULAR

HIGH DEFINITION CRT

DIMENSIONAL OUTLINE



BASING DIAGRAM



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

PIN 11 - CATHODE
PIN 12 - HEATER
BUTTON - ANODE