

(4)

L-4005

P R I N T A P I X

High Speed Direct Writing CRT

(Tentative)

2 1/2" LINE WRITING HEAD
CONDUCTIVE ELEMENTS SPACED APPROX. .004 INCHES
ON CENTER
1 1/2" x 3" RECTANGULAR BULB

Minimum Useful Writing Head Length
Mounting Position
Base - small shell duodecal 7-pin
(JETEC No. B7-51)

2 1/2"
Any

APPLICATIONS

MAXIMUM RATINGS

This tube is designed for direct electrostatic charge printing on paper, plastic or other materials. Permits direct conversion of sequential electrical signals to permanently recorded - visible information, either line or half tone.

Screen (anode) voltage	12,000 DC
Grid #2 voltage	600 DC
Grid #1 voltage:	
Negative bias value	200 DC
Positive bias value	-1 DC
Positive peak value	0
Peak heater - cathode voltage:	
Heater negative with respect to cathode during equipment warm-up period not to exceed 15 seconds	410 DC
After equipment warm-up	150 DC
Heater pos. with respect to cathode	150 DC

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
Focusing Method	Magnetic
Deflection Angle (Approx.)	40°

TYPICAL OPERATION

Ultor voltage	8,000 DC
Grid #2 voltage	300 DC
Grid #1 voltage for visual extinction of focused spot	-60 DC
Circuit values:	
Grid #1 circuit resistance	1.5 megs max.

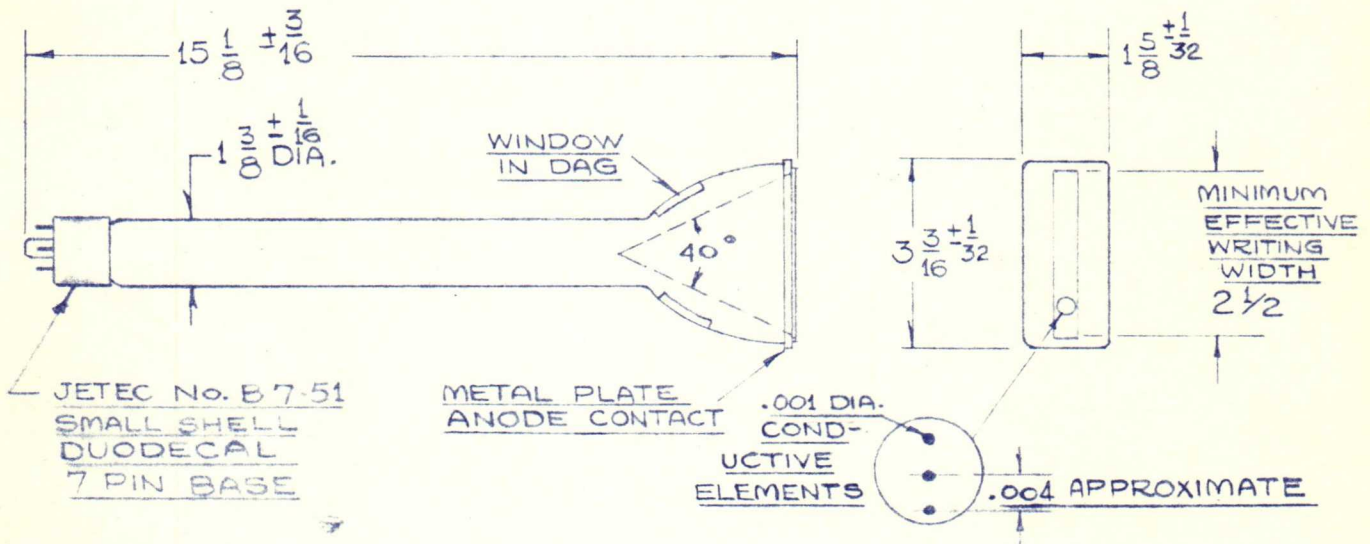
MECHANICAL DATA

Overall length	15 1/8" ± 3/16"
Bulb Size, max.	1 5/8" x 3 3/16" ± 1/32"
Writing Head:	
1 mil diameter wires on	0.0054" ± (184/μ)
Backed with P1 Phosphor for scanned beam alignment.	

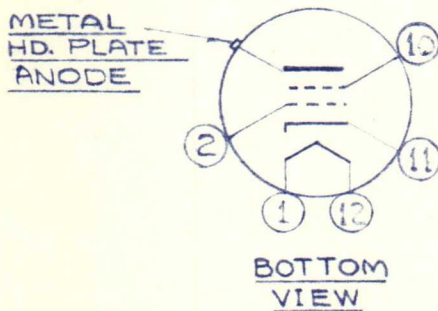
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LYtell 1-8411

L-4005
"PRINTAPIX"
3 INCH RECTANGULAR
HIGH SPEED DIRECT WRITING CRT

DIMENSIONAL OUTLINE



BASING DIAGRAM



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

PIN 11-CATHODE
PIN 12-HEATER
HD. PLATE - ANODE