

## BRIEF OUTLINE SPECIFICATION

The 13M67PT770 is a high resolution line scan CRT used in photo-recording applications. It features a high-resolution gun and fiberoptic faceplate.

## GENERAL CHARACTERISTICS

|                             |                    |
|-----------------------------|--------------------|
| Deflection Method           | Magnetic           |
| Focusing Method             | Electrostatic      |
| Heater Voltage              | 6.3 Volts          |
| Heater Current @ 6.3 Volts  | .300 Ampere, Max.  |
| Phosphor (Note 1)           | Aluminized PT770   |
| Maximum Accelerator Voltage | 20,000 Volts       |
| Deflection Angle (Diagonal) | Approx. 70 Degrees |
| Overall Length              | 20.0 Inches, Max.  |

## TYPICAL OPERATING CONDITIONS

|                                      |                              |
|--------------------------------------|------------------------------|
| Accelerator Voltage                  | 15,000 Volts                 |
| Grid No. 2 Voltage                   | 500 Volts                    |
| Focusing Electrode Voltage           | 3400 – 4000 Volts            |
| Grid No. 1 Voltage (Note 2)          | -40 to -70 Volts             |
| Line Width (Note 3)                  | .0025 Inch, Max.             |
| Modulation (Note 3)                  | 35 Volts, Max.               |
| Spot Position (Undelected)           | Within a .125" Radius Circle |
| Maximum Accelerator Current (Note 3) | 250 uAdc                     |
| Focusing Electrode Current (Note 3)  | 100 uAdc Max.                |

## NOTES

1. Other phosphor screen types are also available.
2. Visual extinction of undeflected, focused spot.
3. Measured at minimum specified light output

*Specification and price change privileges reserved. For further information, contact:*

Thomas Electronics, Inc.  
100 Riverview Drive  
Wayne, NJ 07470 USA  
Tele: (973) 696-5200 Fax: (973) 696-8298  
Email: [sales@thomaselectronics.com](mailto:sales@thomaselectronics.com)  
Visit our Web site at [www.thomaselectronics.com](http://www.thomaselectronics.com)