

BRIEF OUTLINE SPECIFICATION

5- inch rectangular high definition, ruggedized cathode ray tube for low power and compact monitor displays. Tube is provided with a potted base and flying leads. It incorporates a bonded filter for contrast improvement.

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 P43 |
| Maximum Accelerator Voltage | 20,000 Volts |
| Deflection Angle (Diagonal) | Approx. 70 Degrees |
| Overall Length | 7 ¾ Inches, Max. |

TYPICAL OPERATING CONDITIONS

| | |
|--------------------------------------|------------------------------|
| Accelerator Voltage | 18,000 Volts |
| Grid No. 2 Voltage | 500 Volts |
| Focusing Electrode Voltage | 2000 – 4000 Volts |
| Grid No. 1 Voltage (Note 2) | -40 to -70 Volts |
| Line Width (Note 3) | .005 Inch, Max. |
| Modulation (Note 3) | 35 Volts, Max. |
| Spot Position (Undelected) | Within a .125" Radius Circle |
| P43 Light Output (Note 4) | 100 ft L Typical |
| Maximum Accelerator Current (Note 3) | 250 uAdc |
| Focusing Electrode Current (Note 3) | 100 uAdc Max. |
| Diffused Contrast Ratio (Note 5) | 5 : 1 Min. |

NOTES

1. Other phosphor screen types are also available.
2. Visual extinction of undeflected, focused spot.
3. Measured at minimum specified light output.
4. Using a 3" x 3", 200 line raster unblanked and a 60 cps rep. rate. Value reflects typical requirement to achieve min. contrast ratio.
5. With 8% contrast enhancement filter installed, in a 10,000 Ft-C ambient.

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
Visit our Web site at www.thomaselectronics.com

THOMAS ELECTRONICS

ENGINEERING DATA

CATHODE RAY TUBE

TYPE 05M465P43

Page 2 of 2 11/17/97
