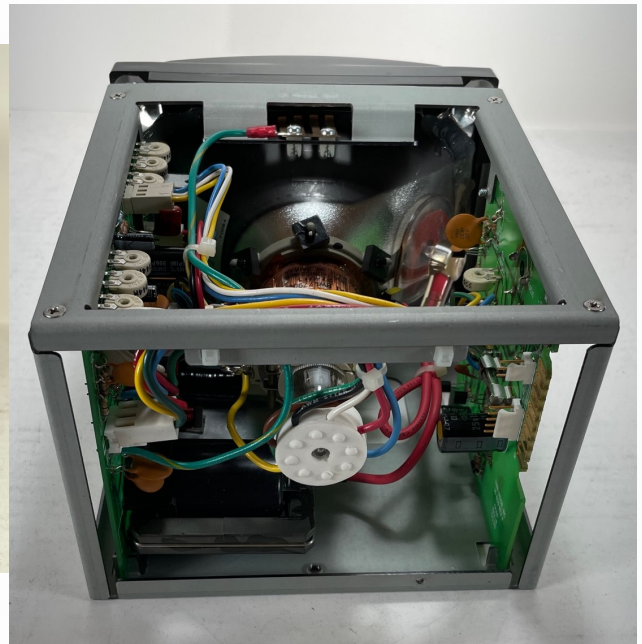


OMNI VISION INC

LP0615E3Y AND LP0619E3Y

Standard Monochrome CRT Monitors (6" Models)



Specialists in CRT Displays

Meeting Your Application Requirements

General Information

Omni Vision's display monitors incorporate circuitry that provides the finest presentation of data through the use of the latest state-of-the-art components. High quality, reliability, and dependability are assured through the all-solid state design that is adaptable to most environments. The mechanical configurations provide for customer flexibility and versatility. The double-sided printed circuit board with plate through holes improves the mechanical and electrical integrity of all inserted components.

Electrical

The power requirement for any of the units in the family is +12 volts DC with a maximum current of 1.25 amps; however, the typical current drain will be about 900 milliamps. Power can be supplied through the 10-pin edge connector or through an optional power input connector.

Signals are applied as composite video, separate TTL or VGA depending on application. They are applied through the 10-pin edge connector or through an optional connector. The amplitude of the applied signals is specified in the specification section of this document.

Mechanical

The unit can be purchased in an open frame chassis version.

Safety Notes -- IMPORTANT INFORMATION --

In operation, the CRT has a high voltage charge stored on the anode connection of the tube. This charge may be retained for a period of time and must be discharged when handling the CRT. This warning applies even when power has been removed from the unit for some period of time.

CRT manufacturers recommend that any user of the CRT take extra precautions and use safety glasses when handling the CRT. It is also recommended that gloves be used during the handling of the tubes.

SPECIFICATIONS

CRT

Deflection angle.....	70 Degrees
Phosphor types	Green (P31) is standard, but white (P4) is an option
Viewing Area	5.0 x 3.5 inches

ELECTRICAL

Power requirements	+12 Vdc@ 0.2 Vdc at 900 milliamps, 18 Watts Maximum, 2A fusing is recommended
Synchronization	
Horizontal	15 kHz +/- 1kHz (standard) either TTL or composite 31 kHz for VGA applications
Vertical	47-63 Hz
Blanking, Horizontal	10 usec at 15.75 kHz
Vertical	800 usec
Video performance	Bandwidth to 26 MHz
Resolution	650 lines center screen
Linearity, Horizontal	Less than 10% variation between adjacent characters
Linearity, Vertical	Less than 10% variation between adjacent rows
Geometry	Within 1.5% overall deviation from a perfect rectangle
High Voltage	Greater than 7 KV at 50 @ amps

MECHANICAL

Dimensions with chassis

Width	6.0	inches
Height	4.5	inches
Depth	7.25	inches

Weight 3 lbs.

Connectors, power and signal Card Edge or optional connectors

Chassis version Only version available

Other Data

Environment

Operating Temperature	+10 to +55 degree C
Storage Temperature	- 20 to +85 degree C

Humidity 95% relative humidity

Altitude up to 10,000 ft

Warranty One-year parts and labor

Regulatory Agency Compliance UL/cUL 1950, 2601 TUV
No. 950-93