

3-MHz X-Y Display Module



- *Designed for OEM and Custom Applications*
- *Standard Half-Rack Configuration*
- *3-MHz X and Y Bandwidth*
- *4-MHz Z Axis Bandwidth*
- *P31 or Optional Phosphors*
- *Removable Imprintable External Graticule*
- *Custom Internal Graticules Available*
- *Stereo Phase Monitoring*

LBO-51MAC

key specifications

CRT

Display Area

8 x 10 cm

Spot Size

0.26 mm at 0.5 μ A beam current

Brightness

25 fl measured with 100 line raster and
60 Hz refresh rate

Phosphor

P31 (other phosphors optional)

Accelerating Voltage

7 kV/2kV

X-Y DEFLECTION

Bandwidth

dc to 3 MHz (-3 dB at 5 div deflection)

Coupling

dc or ac (internal switch)

Phase Shift

< 3° at 1 MHz

Sensitivity

100 mV/div, adjustable \pm 50%

Polarity

+ or - (internally switchable)

Linearity

Within 5%

Input Impedance

1 M Ω , < 50 pF (provision is made for
internal terminating resistor)

Maximum Input Voltage

100 V (dc plus ac peak)

Rise Time

< 120 ns

Z-AXIS

Bandwidth

dc to 4 MHz

Blanking Threshold/Polarity

-1 V (when INTEN knob is positioned at
mid-range)/Negative

Input Impedance

1 M Ω , < 50 pF

Maximum Input Voltage

100 V (dc plus ac peak)

Rise Time

< 90 ns

60 Hz refresh rate

POWER REQUIREMENTS

100, 120, 220, 240 V ac \pm 10%

50/60 Hz, 26 W

PHYSICAL

Size (W x H x D)

8¹/₂ x 5¹/₄ x 16¹/₂ in.

215 x 132 x 419 mm

Weight

14.3 lbs., 6.5 kg

OPTIONAL ACCESSORY

Rackmount Adapter (LR-2400VD)

Call for complete list of factory options