

CSI/Model V-226
Modulated VCSEL Source

Product Specifications

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Input Connector: SMA, 50Ω

Output Connector: FC/PC

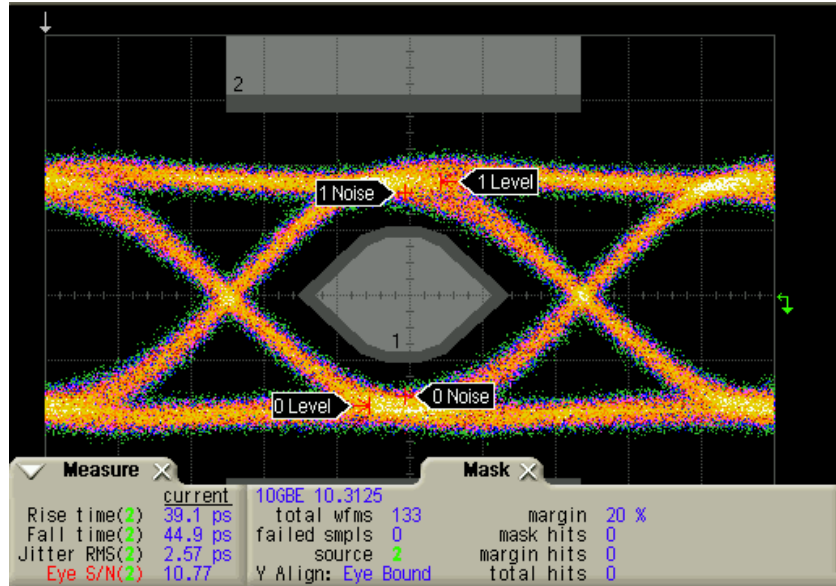
Output Fiber: 50-μm or 62.5-μm multimode

Wall Plug Unit: 120V AC adapter (or universal voltage option)

| | Min | Nominal | Max |
|----------------------------------|-------|---------|------|
| Wavelength (nm) | 840 | 850 | 860 |
| Bit Rate (Gbps) | 0.001 | | 12.5 |
| Output Power at max setting (mW) | 1.5 | | 2.2 |
| Rise / Fall Time (ps) | | 25/35 | |
| RMS jitter (ps) | | | 3.0 |
| Modulating Amplitude (mV) | 100 | 300 | 500 |
| Extinction Ratio (dB) | | | 6 |

CSI model V-226 is a self-contained VCSEL source optimized for high-speed modulation up to 12.5 Gbps. The unit is intended to be modulated by a pattern generator for testing the performance of optoelectronic components such as photodetectors and receivers. V-226 is powered by a wall plug unit. Data input is through an SMA connector, and the optical port is an FC multimode connector. There is a control knob for choosing the optimum bias point of the VCSEL.

California Scientific manufactures high-speed optoelectronic test equipment for the fiber optic community.



Typical 10G loop eye diagram of V-226 VCSEL Source and P-130 Receiver



V-226 Enclosure Dimensions are: 5" X 5¼ " X 1¾ " (12.5 X 13.5 X 4.5cm)