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## 751R-1300 1300nm LED Source Module

## **Features**

- -17dBm output power (at 85%)
- Stable output power: ±0.02dB over 12 hours
- Output power is adjustable from zero to 100%
- Internal modulation up to 1kHz
- Sources can be operated independently via the GPIB/IEEE-488 compliant RIFOCS 700R system controller
- Space efficient—up to 11 LED source modules and one system controller can be installed in a 19-inch rack
- Precision Universal Connector Interface (UCI) adapts to all industry standard fiber optic connectors



## Applications

## **Fiber Optic Component Testing**

The 751R-1300 LED source module provides the precision required to perform a variety tests and measurements in the 1300nm wavelength region common-Ay used in multimode fiber optic systems, such as Cocal Area Networks (LAN), Fiber Distributed Data Interfaces (FDDI), and other short-haul applications.

The output power of the 751R-1300 LED source can be quickly adjusted from zero to 100% using the front panel controls of the 700R controller module, or via the GPIB/IEEE-488 interface incorporated in the latter unit. All RIFOCS LED sources, and other 700 Series modular instruments, may be operated independently on the same I<sup>2</sup>C backplane. The user can toggle between modules and change measurement parameters without affecting the operation of other instruments.

The light output of the 751R-1300 LED source can be toggled between continuous wave (CW) and internal modulation mode either manually or over the GPIB/IEEE-488 interface. The internal modulation frequency can also be adjusted manually or over the GPIB interface using simple commands.

The 751R-1300 LED source incorporates a Universal Connector Interface (UCI), which provides excellent return loss performance and repeatability. UCI adapters are available for all industry standard fiber optic connectors.

<sup>1</sup> The mean wavelength is the geometrical average of all emitted power from the LED.

<sup>2</sup> The FWHM value is the calculated width of the geometrical average

<sup>3</sup> Measured per FOTP-95.

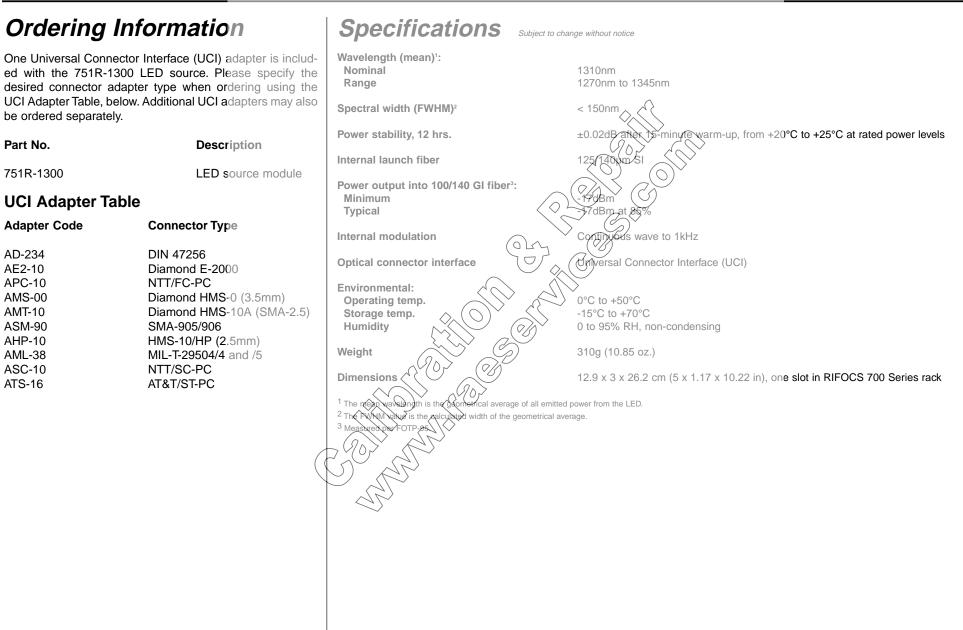




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751R-1300





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