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5800

R&D AND MANUFACTURING

CD/PMD ANALYZER SOURCE

FLS-5800



- High-power super LED (SLED)
- Modulated for chromatic dispersion measurement
- Polarized for PMD measurement
- Broadband spectral range

EXFO's FLS-5800 CD/PMD Analyzer Source is a modulated, polarized, high-power SLED. Thanks to its high power density, you can use it as a broadband source for DWDM channel and component testing.

High Modulation

The FLS-5800's high modulation makes it a perfect complement to the FTB-5800 Chromatic Dispersion Analyzer, whose technology is based on the phase-shift method. This first-class duo lets you run chromatic dispersion (CD) measurements through amplifiers such as EDFAs, providing the highest accuracy in field CD testing.

High Degree of Polarization

When measuring PMD and a broadband, polarized source is required, turn to the FLS-5800, which features a high degree of polarization. Test PMD through EDFA's by combining the FLS-5800 with patent-design breakthrough technology FTB-5500B PMD Analyzer.

CD/PMD Analyzer Source

SPECIFICATIONS¹

	C band	L band
Center wavelength (nm)	1550 ± 10	1607.5 ± 17.5
Output power (dBm)	4	4
Peak spectral density (dBm/nm)	> -12.5	> -12.5
Power stability (15 minutes) (dB)	< 0.075	< 0.075
Modulation frequency (MHz)	100	101

Notes

1. Typical

GENERAL SPECIFICATIONS

Temperature	Operating	0 °C to 40 °C	(32 °F to 104 °F)
	Storage	-20 °C to 50 °C	(-4 °F to 122 °F)
Relative humidity (non-condensing)		0 % to 90 %	
Size (H x W x D)		11.7 cm x 22.2 cm x 33.3 cm	4 3/8 in x 8 3/4 in x 13 1/8 in
Weight		3.2 kg	7.1 lb

ORDERING INFORMATION

CD/PMD Analyzer Source

FLS-58XX-XX

Model

FLS-5803 = 1550 nm SuperLED
 FLS-5804 = 1625 nm SuperLED
 FLS-5834 = 1550 nm and 1625 nm SuperLEDs

Connector

EI-EUI-28 = UPC/DIN 47256
 EI-EUI-76 = UPC/HMS-10/AG (EI only)
 EI-EUI-89 = UPC/FC narrow key
 EI-EUI-90 = UPC/ST (EI only)
 EI-EUI-91 = UPC/SC
 EI-EUI-95 = UPC/E-2000
 EA-EUI-28 = APC/DIN 47256
 EA-EUI-89 = APC/FC narrow key
 EA-EUI-91 = APC/SC
 EA-EUI-95 = APC/E-2000

Example: FLS-5803-EI-EUI-89

LED SAFETY

IEC 60825-1: 2001 CLASS 1M LED PRODUCT



Corporate Headquarters > 400 Godin Avenue, Vanier (Quebec) G1M 2K2 CANADA | Tel.: 1 418 683-0211 | Fax: 1 418 683-2170 | info@exfo.com

Toll-free: 1 800 663-3936 (USA and Canada) | www.exfo.com

EXFO America	4275 Kellway Circle, Suite 122	Addison, TX 75001 USA	Tel.: 1 800 663-3936	Fax: 1 972 836-0164
EXFO Europe	Le Dynasteur, 10/12 rue Andras Beck	92366 Meudon la Forêt Cedex FRANCE	Tel.: +33.1.40.83.85.85	Fax: +33.1.40.83.04.42
EXFO Asia-Pacific	151 Chin Swee Road, #03-29 Manhattan House	SINGAPORE 169876	Tel.: +65 6333 8241	Fax: +65 6333 8242
EXFO China	Beijing New Century Hotel Office Tower, Room 1754-1755 No. 6 Southern Capital Gym Road	Beijing 100044 P. R. CHINA	Tel.: +86 (10) 6849 2738	Fax: +86 (10) 6849 2662

EXFO is certified ISO 9001 and attests to the quality of these products. This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. EXFO has made every effort to ensure that the information contained in this specification sheet is accurate. However, we accept no responsibility for any errors or omissions, and we reserve the right to modify design, characteristics and products at any time without obligation. Units of measurement in this document conform to SI standards and practices.

Contact EXFO for prices and availability or to obtain the phone number of your local EXFO distributor.

For the most recent version of this spec sheet, please go to the EXFO website at <http://www.exfo.com/specs>

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