

FLS-5834B

CD/PMD ANALYZER SOURCE

- The FLS-5834B is a modulated, polarized, high-power LED that can also be used as a broadband source for DWDM channel and component testing.



KEY FEATURES AND BENEFITS

High-power super LED (SLED)

Modulated for chromatic dispersion measurement

Polarized for PMD measurement

Broadband spectral range

RELATED PRODUCTS

Chromatic dispersion (CD)
analyzer
FTB-5800

Polarization mode
dispersion (PMD) analyzer
FTB-5500B

HIGH MODULATION

The FLS-5834B's high modulation makes it a perfect complement to the FTB-5800 chromatic dispersion (CD) analyzer, whose technology is based on the phase-shift method. This first-class duo lets you run CD measurements through amplifiers such as EDFAs, providing the highest accuracy in field CD testing.

HIGH DEGREE OF POLARIZATION

When you need a broadband, highly polarized source for measuring polarization mode dispersion (PMD), turn to the FLS-5834B. Test PMD through EDFAs by combining the FLS-5834B with the patented, breakthrough technology of the FTB-5500B PMD analyzer.

SPECIFICATIONS (TYPICAL)		GENERAL SPECIFICATIONS	
Center wavelength (nm)	1580 ±10	Size (H x W x D)	194 mm x 99 mm x 40 mm (7.6 in x 3.9 in x 1.6 in)
Output power (dBm)	7	Weight	0.5 kg (1.1 lb)
Peak spectral density (dBm/nm)	> -12.5	Temperature	Operating: 0 °C to 40 °C (32 °F to 104 °F) Storage: -20 °C to 50 °C (-4 °F to 122 °F)
Power stability (10 minutes) (dB)	< 0.075	Relative humidity	0 % to 90 % non-condensing
Modulation frequency (MHz)	100		

LED SAFETY



ORDERING INFORMATION

FLS-5834B-XX

Connector

EI-EUI-89 = UPC/FC
 EA-EUI-89 = APC/FC
 EI-EUI-90 = UPC/ST^a
 EI-EUI-91 = UPC/SC
 EA-EUI-91 = APC/SC
 EI-EUI-95 = UPC/E2000
 EA-EUI-95 = APC/E2000
 EI-EUI-98 = UPC/LC
 EA-EUI-98 = APC/LC
 EI-EUI-28 = UPC/DIN 47256
 EA-EUI-28 = APC/DIN 47256

Example: FLS-5834B-EI-EUI-91

a. EUI-90 ST connector is only available in UPC configuration

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