

FLS-5834A

CD/PMD ANALYZER SOURCE



The FLS-5834A 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

HIGH MODULATION

The FLS-5834A'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 you need a broadband, highly polarized source for measuring PMD, turn to the FLS-5834A. Test PMD through EDFAs by combining the FLS-5834A with the patented, breakthrough technology of the FTB-5500B PMD Analyzer.

SPECIFICATIONS ^a		GENERAL SPECIFICATIONS	
Center wavelength (nm)	1580 ±10	Dimensions (H x W x D)	117 mm x 222 mm x 333 mm (4 5/8 in x 8 3/4 in x 13 1/8 in)
Output power (dBm)	4	Weight (without transceivers)	3.2 kg (7.1 lb)
Peak spectral density (dBm/nm)	> -12.5	Relative humidity (non-condensing)	0 % to 90 %
Power stability (15 minutes) (dB)	< 0.075	Temperature	operating 0 °C to 40 °C (32 °F to 104 °F) storing -20 °C to 50 °C (-4 °F to 122 °F)
Modulation frequency (MHz)	100		

NOTE

a. Typical

ORDERING INFORMATION

FLS-5834A-XX

Model

FLS-5834A = 1550 nm and 1625 nm

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-5834A-EI-EUI-89

LED SAFETY

IEC 60825-1:2001

CLASS 1M LED PRODUCT

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