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FREECALL 1800 680 680

MAP Light Emitting Diode Source



For stand-alone applications, the MAP LED Source may be used as a benchtop

Key Features

- Dual independent sources available in a single cassette
- Control and monitoring features
- Single-mode (SM)/Multimode (MM) output
- Internal/external modulation circuitry

Applications

- Optical component spectral tests
- Systems compliance tests
- Sensors and imaging

Safety Information

- This optical source cassette, when installed in the MAP chassis, complies to CE requirements plus UL3101-1 and CAN/CSA-C22.2 No.1010.1, meets the requirements of Class 3B in standard IEC 60825-1(2002), and complies with 21 CFR 1040.1 except deviations per Laser Notice No.50, July 2001.

INVISIBLE LASER RADIATION
AVOID EXPOSURE TO BEAM
CLASS 3B LASER PRODUCT
(IEC 60825-1, 2002)
MAX. 500 mw, 700-1680 nm

The Multiple Application Platform (MAP) Light Emitting Diode (LED) Source Cassette is a high-power LED based light source with variable output power. High output power and excellent wavelength stability, combined with built in modulation circuitry, make this light source suitable for wavelength division multiplexing (WDM) component manufacturing and testing. Other applications of this device include sensing, spectroscopy and amplified spontaneous emissions (ASEs) loading for optical signal to noise ratio (OSNR) measurements.

Specifications

Parameter	Single-mode (SM)	Single-mode (SM)	Multimode (MM)	Multimode (MM)	Multimode (MM)
	1310 nm	1550 nm	850 nm	1310 nm	1550 nm
Peak wavelength	1310 ± 20 nm	1550 ± 20 nm	850 ± 20 nm	1310 ± 20 nm	1550 ± 20 nm
3 dB width	>40 nm	>40 nm	-	-	-
Spectral ripple (RB=0.1nm)	0.35 dB	0.35 dB	-	-	-
Total power ^{1,2}	0 dBm	0 dBm	-3 dBm	-3 dBm	-3 dBm
Modulation	0.2 to 20 kHz				
Stability (15 minutes) ^{1,2,3}	± 0.01 dB				
Connector type	FC/PC, FC/APC				
Operating temperature	10 to 40 °C				
Storage temperature	-30 to 60 °C				
Dimensions (W x H x D)	4.06 x 13.24 x 39.5 cm				
Weight	0.5 kg				

1. After 30 minute warm-up.
2. Measured at constant temperature of 23 ± 5 °C.
3. Measured at full power.

Ordering Information
Sample : MAPB+1L057FP

Code	Output Power
0	Standard

Code	Fiber Type (µm)
1	50/125
2	62.5/125
7	9/125

Code	Wavelength (nm)
1	850
3	1310
5	1550
7	1310/1550
9	850/1310

Code	Connector Type
FP	FC/PC
FA	FC/APC



If the configurations available do not meet your performance requirements, please contact our global sales and customer service team to discuss the potential for specialized solutions.

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