

# C-Band Erbium Fiber Laser

## EFL series

2006-08-24 - v1.0

Applications: Instrument for R&D labs and components testing  
 Form factor: Benchtop 19" Rackable  
 product reference: KPS-STD-BT-EFL-1550-LC-05-xxx-yy-zz



### Optical Specifications:

Conditions	Unit	LC-01	LC-02	LC-03	LC-05	LC-10	LC-20	LC-50	LC-100	
Mode of operation		CW								
Nominal output power	W	0,1	0,2	0,3	0,5	1	2	5	10	
Central wavelength.	vaccum nm	1550 +/- 1								
Input/Interstage isolation		Yes								
Output isolation		Yes						No		
Output monitoring		Yes						No		
Piezzo tuning		No								
Wl. Tunability		None								
Control Mode		ACC, APC							ACC	
APC Pw. Tunability	%	55-100							-	
APC Pw. Stability	8h, 25°C %rms	max: 3							-	
Linewidth	FWHM nm	max: 0,3								
M <sup>2</sup>	LP01	max: 1.1								

### Optical Interface:

	LC-01	LC-02	LC-03	LC-05	LC-10	LC-20	LC-50	LC-100	
Output termination options	FA, SA, FP, SP		FA, SA, FP, SP, Col, E2PS, B			Col, E2PS, B			
Output pigtail	SMF28, Front-panel		SMF28, 3mm, PVC, 1m						
Backreflection	-		Limited						
Injected linewidth	Limited								

### Electrical, Environmental and Packaging:

Electrical Specification:	Unit	BT
AC Voltage	V	85 to 264 VAC, 47-63Hz
Power Consumption	W	<200
Interface		RS232 and GPIB
<b>Environmental</b>		
Operating Temperature	°C	From 15 to 35
Storage Temperature	°C	From -20 to 55
Warm up time	min	<30
<b>Dimension and Weight</b>		
Dimensions Laser module	mm	88x448x446
Weight	Kg	<5

### Options available:

- xxx = IN monitoring or PZT, ISO, APC / OUT monitoring options (see specifications)
- yy = non available
- zz = output termination option

#### Connectors:

FA=FC/APC; SA=SC/APC; FP=FC/SPC; SP=SC/SPC  
 E2PS=E2000 HP + Patchcord for adaptation  
 Col=Collimated, for free-space use; B=Bare Fiber

All products comply with IEC 60825-1 and FDA (21 CFR Subchapter J) laser safety standards.

Keopsys undertakes a continuous and intensive product development program to ensure that its products perform to the highest technical standards. As a result, the specifications in this document are subject to change without notice.



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