

# Ytterbium Fiber laser

## YFL-LC series

2006-08-24 - v1.0

Applications: Instrument for R&D labs and sensor applications  
 Form factor: Benchtop 19" Rackable  
 product reference: KPS-STD-BT-1064-YFL-20-LC-xxx-yy-zz



### Optical Specifications:

	Conditions	Unit	YFL-10	YFL-20	YFL-30	YFL-40	YFL-50	YFL-100	YFL-150	YFL-200	YFL-500
Mode of operation			CW								
Nominal output power		W	1	2	3	4	5	10	15	20	50
Central wavelength.	vaccum	nm	1064 +/-5								
Optical configuration			Linear cavity								
Input/Interstage isolation			Yes								
Output isolation			Option	No							
Output monitoring			No								
Piezzo tuning			No								
Wl. Tunability			None								
Control Mode			ACC								
APC Pw. Tunability			-								
APC Pw. Stability			-								
Linewidth	FWHM	nm	max: 0,5								
M <sup>2</sup>	LP01		max: 1.1								

### Optical Interface:

	YFL-10	YFL-20	YFL-30	YFL-40	YFL-50	YFL-100	YFL-150	YFL-200	YFL-500	
Output termination options	FA, Col, B	Col, B								
Output pigtail	SM, 6/130, NA 0.11, 3mm, PVC, 1m									
External fiber restriction	-	No connexion								
Backreflection						Limited				
Injected linewidth						Limited				

### Electrical, Environmental and Packaging:

		Unit	BT
Electrical Specification:			
	AC Voltage	V	85 to 264 VAC, 47-63Hz
	Power Consumption	W	<700
	Interface		RS232 and GPIB
Environmental			
	Operating Temperature	°C	From 15 to 35
	Storage Temperature	°C	From -20 to 55
	Warm up time	min	<30
Dimension and Weight			
	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
- Other wavelengths from 1050 to 1090 nm

#### 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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