

# L-band Low power fiber amplifier

## L-SFA 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-L-13-Sd-xxx-yy-zz



### Optical Specifications:

	Conditions	Unit	L-10	L-13	L-15
Mode of operation			CW		
Nominal output power	Pin = 0dBm	<i>dBm</i>	10	13	15
Input power		<i>dBm</i>	From -10 to +5		
Bandwidth		<i>nm</i>	1565-1605		
Noise figure	Pin=0dBm, λ=1550nm	<i>dB</i>	max: 7		
Input/Interstage isolation			Yes		
Output isolation			Yes		
Input monitoring			Yes		
Output monitoring			Yes		
Control Mode			ACC, APC		
APC Pw. Tunability		%	10-100		
APC Pw. Stability	8h, 25°C	<i>%rms</i>	max: 1		

### Optical Interface:

	L-10	L-13	L-15
Output termination options	FA, SA, FP, SP		
Output pigtail	SMF28, Front-panel		
Input termination options	FA, SA, FP, SP		
Input pigtail	SMF28, Front-panel		
Injected linewidth	Limited		

### Electrical, Environmental and Packaging:

Electrical Specification:	Unit	BT
AC Voltage	<i>V</i>	85 to 264 VAC, 47-63Hz
Power Consumption	<i>W</i>	<100
Interface		RS232 and GPIB
<b>Environmental</b>		
Operating Temperature	<i>°C</i>	From 15 to 35
Storage Temperature	<i>°C</i>	From -20 to 55
Warm up time	<i>min</i>	<10
<b>Dimension and Weight</b>		
Dimensions Laser module	<i>mm</i>	88x448x446
Weight	<i>Kg</i>	<5

### Options available:

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