

L-band High power fiber amplifier

L-HPFA 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-23-PB-xxx-yy-zz



Optical Specifications:

	Conditions	Unit	L-18	L-21	L-23	L-25	L-27	L-30	L-33		
Mode of operation			CW								
Nominal output power	Pin = 0dBm	<i>dBm</i>	18	21	23	25	27	30	33		
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: 8								
Input/Interstage isolation			Yes								
Output isolation			Yes					No			
Input monitoring			Yes								
Output monitoring			Yes								
Control Mode			ACC, APC								
APC Pw. Tunability		<i>%</i>	55-100								
APC Pw. Stability	8h, 25°C	<i>%rms</i>	max: 1								
M²	LP01		max: 1.1								

Optical Interface:

	L-18	L-21	L-23	L-25	L-27	L-30	L-33
Output termination options	FA, SA, FP, SP			FA, SA, FP, SP, Col, E2PS, B			
Output pigtail	SMF28, Front-panel			SMF28, 3mm, PVC, 1m			
Input termination options				FA, SA, FP, SP			
Input pigtail	SMF28, Front-panel			SMF28, 3mm, PVC, 1m			
Backreflection						Limited	
Injected linewidth				Limited			

Electrical, Environmental and Packaging:

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