

C-band Low Noise Fiber amplifier

C-LNPA 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-C-15-LN-xxx-yy-zz



Optical Specifications:

	Conditions	Unit	C-10	C-13	C-15	C-18
Mode of operation			CW			
Nominal output power	Pin = 0dBm	dBm	10	13	15	18
Input power		dBm	From -10 to +5			
Bandwidth		nm	1529-1562			
Noise figure	Pin=0dBm, λ=1550nm	dB	max: 5			
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	%rms	max: 1			

Optical Interface:

	C-10	C-13	C-15	C-18
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:

	Unit	BT
Electrical Specification:		
AC Voltage	V	85 to 264 VAC, 47-63Hz
Power Consumption	W	<100
Interface		RS232 and GPIB
Environmental		
Operating Temperature	°C	From 15 to 35
Storage Temperature	°C	From -20 to 55
Warm up time	min	<10
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 = 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.



HEADQUARTERS
 KEOPSYS SA,
 21 rue Louis de Broglie
 22300 Lannion, France
 Tel: +33 2 9605 0800
 Fax: +33 2 9605 0801

US OPERATIONS
 KEOPSYS Inc.
 16 White Bridge Road
 Pittstown, NJ 08867, USA
 Tel: +1 (908) 238-0898
 Fax: +1 (908) 238-9178

websales@keopsys.com
www.keopsys.com

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 KEY OPTICAL SYSTEMS