

C-band SLM Standard Amplifiers

C-SLM-HPFA series

2006-09-19 - v1.0

Applications: Instrument for R&D labs
 Form factor: Benchtop 19" Rackable
 product reference: KPS-STD-BT-C-37-SLM-PB-1xx-yy-zz



Optical Specifications:

	Conditions	Unit	C-30	C-33	C-37	C-40
Mode of operation			CW			
Nominal output power	Pin = 0dBm	dBm	30	33	37	40
Input power		dBm	From -10 to +5			
Bandwidth		nm	1540-1565			
Noise figure	Pin=0dBm, λ=1550nm	dB	max: 6			
Input/Interstage isolation			Yes			
Output isolation			Yes			No
Input monitoring			Yes			
Output monitoring			Yes			No
Control Mode			ACC, APC option			ACC
APC Pw. Tunability		%	55-100			-
APC Pw. Stability	8h, 25°C	%rms	max: 1			
M²	LP01		max: 1.1			

Optical Interface:

	C-30	C-33	C-37	C-40
Output termination options	FA, SA, FP, SP, Col, E2PS, B		Col, B	
Output pigtail	SMF28, 3mm, PVC, 1m			
Input termination options	FA, SA, FP, SP			
Input pigtail	SMF28, 3mm, PVC, 1m			
External fiber restriction	5m	2,5m	No connexion	
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
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:

- 1xx = APC (1 or 0) – Output isolation (1 or 0)
- 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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