

C-band High Power Fiber Booster

C-HPFB 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-25-Bo-xxx-yy-zz



Optical Specifications:

Conditions	Unit	C-21	C-23	C-25	C-27	C-30	C-33	C-37	C-40	
Mode of operation		CW								
Nominal output power	Pin = +5dBm	21	23	25	27	30	33	37	40	
Input power		From 5 to 15								
Bandwidth		1535-1565								1540-1565
Noise figure	Pin=0dBm, λ=1550nm	max: 9								
Input/Interstage isolation		Yes								
Output isolation		Yes							No	
Input monitoring		Yes								
Output monitoring		Yes								No
Control Mode		ACC, APC								ACC
APC Pw. Tunability		55-100								-
APC Pw. Stability	8h, 25°C	max: 1								-
M²	LP01	max: 1.1								

Optical Interface:

	C-21	C-23	C-25	C-27	C-30	C-33	C-37	C-40	
Output termination options	FA, SA, FP, SP		FA, SA, FP, SP, Col, E2PS, B				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:

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:

- 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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