

# C-band High Power Fiber Booster

## OEM-C-PM-HPFB series

2006-08-30 - v1.0

Applications: Module for optical fiber network  
 Form factor: OEM 25 OEM HP  
 product reference: KPS-STD-OEM-C-27-PM-Bo-xxx-yy-zz



### Optical Specifications:

	Conditions	Unit	C-21	C-23	C-25	C-27	C-30	C-33	C-37	C-40	
<b>Mode of operation</b>			CW								
<b>Nominal output power</b>	Pin = +5dBm	<i>dBm</i>	21	23	25	27	30	33	37	40	
<b>Input power</b>		<i>dBm</i>	From +5 to +15								
<b>Bandwidth</b>		<i>nm</i>	1535-1565								
<b>Noise figure</b>	Pin=+5dBm, λ=1550nm	<i>dB</i>	max: 9								
<b>Input/Interstage isolation</b>			Yes								
<b>Output isolation</b>			Yes						No		
<b>Input monitoring</b>			Yes								
<b>Output monitoring</b>			Option								
<b>Control Mode</b>			ACC, APC option						ACC		
<b>APC Pw. Tunability</b>		<i>%</i>	55-100						-		
<b>APC Pw. Stability</b>	8h, 25°C	<i>%rms</i>	max: 1						-		
<b>PER</b>	signal only	<i>dB</i>	min: 20				min: 17		min: 12		
<b>M<sup>2</sup></b>	LP01		max: 1.1								

### Optical Interface:

	C-21	C-23	C-25	C-27	C-30	C-33	C-37	C-40
<b>Output termination options</b>	FA, SA, FP, SP, B		FA, SA, FP, SP, Col, E2PS, B			Col, E2PS, B		
<b>Output pigtail</b>	Panda1550, 900µm, PVC, 1m		Panda1550, 3mm, PVC, 1m					
<b>Input termination options</b>			FA, SA, FP, SP					
<b>Input pigtail</b>	Panda1550, 900µm, PVC, 1m		Panda1550, 3mm, PVC, 1m					
<b>Backreflection</b>	-		Limited					
<b>Injected linewidth</b>			Limited					

### Electrical, Environmental and Packaging:

	Unit	OEM 25	OEM HP
<b>Electrical Specification:</b>			
AC Voltage	<i>V</i>	5 to 24	5 to 24
Power Consumption	<i>W</i>	<180	<180
Interface		RS232	RS232
<b>Environmental</b>			
Operating Temperature	<i>°C</i>	From 0 to 55	From 0 to 55
Storage Temperature	<i>°C</i>	From -20 to 70	From -20 to 70
Warm up time	<i>min</i>		
<b>Dimension and Weight</b>			
Dimensions Laser module	<i>mm</i>	150x120x25	300x170x25
Weight	<i>Kg</i>	<0,6	<1,8

### 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](mailto:websales@keopsys.com)  
[www.keopsys.com](http://www.keopsys.com)

