

C-band High Power Fiber Booster

OEM-C-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-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	<i>dBm</i>	21	23	25	27	30	33	37	40	
Input power		<i>dBm</i>	From +5 to +15								
Bandwidth		<i>nm</i>	1535-1565							1540-1565	
Noise figure	Pin=+5dBm, λ=1550nm	<i>dB</i>	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		<i>%</i>	55-100							-	
APC Pw. Stability	8h, 25°C	<i>%rms</i>	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, B		FA, SA, FP, SP, Col, E2PS, B				Col, E2PS, B		
Output pigtail	SMF28, 900µm, PVC, 1m		SMF28, 3mm, PVC, 1m						
Input termination options			FA, SA, FP, SP						
Input pigtail	SMF28, 900µm, PVC, 1m		SMF28, 3mm, PVC, 1m						
Backreflection		-			Limited				
Injected linewidth			Limited						

Electrical, Environmental and Packaging:

	Unit	OEM 25	OEM HP
Electrical Specification:			
AC Voltage	<i>V</i>	5 to 24	5 to 24
Power Consumption	<i>W</i>	<180	<180
Interface		RS232	RS232
Environmental			
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>		
Dimension and Weight			
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.



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