

C-band High power fiber amplifier

OEM-C-HPFA series

2006-08-30 - v1.0

Applications: Module for optical fiber network

Form factor: OEM 25

product reference: KPS-STD-OEM-C-27-PB-xxx-yy-zz



Optical Specifications:

	Conditions	Unit	C-21	C-23	C-25	C-27	C-30	C-33	C-37
Mode of operation			CW						
Nominal output power	Pin = 0dBm	dBm	21	23	25	27	30	33	37
Input power		dBm	From -10 to +5						
Bandwidth		nm	1535-1565			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						
Control Mode			ACC, APC						
APC Pw. Tunability		%	55-100						
APC Pw. Stability	8h, 25°C	%rms	max: 1						
M ²	LP01		max: 1.1						

Optical Interface:

	C-21	C-23	C-25	C-27	C-30	C-33	C-37
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
Electrical Specification:			
	AC Voltage	V	5 to 24
	Power Consumption	W	<120
	Interface		RS232
Environmental			
	Operating Temperature	°C	From 0 to 55
	Storage Temperature	°C	From -20 to 70
	Warm up time	min	
Dimension and Weight			
	Dimensions Laser module	mm	150x120x25
	Weight	Kg	<0,6

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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