

# C-band WDM Polarization Maintaining Fiber Amplifier

## OEM-C-WDM-SFA-PM series

2006-08-25 - v1.0



Applications: Module for optical fiber network, 1 to 16 channels ADD/DROP  
Form factor: OEM 25  
product reference: KPS-STD-OEM-C-15-WDM-PM-Sd-xxx-yy-zz

### Optical Specifications:

	Conditions	Unit	C-10	C-13	C-15	C-18	C-21
<b>Mode of operation</b>					CW		
<b>Nominal output power</b>	Pinc = -10dBm	dBm	10	13	15	18	21
<b>Input power</b>		dBm	From -22 to -10	From -19 to -7	From -17 to -5	From -14 to -2	From -11 to +1
<b>Bandwidth</b>		nm	1530-1562				
<b>Noise figure</b>	Pin=-10dBm	dB	max: 7	max: 7	max: 7	max: 7	max: 7
<b>Input/Interstage isolation</b>					Yes		
<b>Output isolation</b>					Yes		
<b>Input monitoring</b>					Yes		
<b>Output monitoring</b>					Yes		
<b>Control Mode</b>					ACC, APC, AGC		
<b>APC Pw. Tunability</b>		%			5-100		
<b>APC Pw. Stability</b>	8h, 25°C	%rms			max: 1		
<b>PER</b>	signal only	dB			min: 20		
<b>Gain flatness</b>	G = 20dB / Tcase = 25°C	dBpp			max: 2		

### Optical Interface:

	C-10	C-13	C-15	C-18	C-21
<b>Output termination options</b>	FA, SA, FP, SP, B				
<b>Output pigtail</b>	Panda1550, 900µm, PVC, 1m				
<b>Input termination options</b>	FA, SA, FP, SP				
<b>Input pigtail</b>	Panda1550, 900µm, PVC, 1m				
<b>Injected linewidth</b>	Limited				

### Electrical, Environmental and Packaging:

Electrical Specification:	Unit	OEM 25
AC Voltage	V	5 to 24
Power Consumption	W	<25
Interface		RS232
<b>Environmental</b>		
Operating Temperature	°C	From 0 to 55
Storage Temperature	°C	From -20 to 70
Warm up time	min	
<b>Dimension and Weight</b>		
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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