

C-band WDM Standard Amplifiers

C-WDM-SFA series

2006-08-25 - v1.0

Applications: Instrument for telecom R&D labs, 1 to 16 channels ADD/DROP
Form factor: Benchtop 19' Rackable
product reference: KPS-STD-BT-C-15-WDM-Sd-xxx-yy-zz



Optical Specifications:

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

Optical Interface:

	C-10	C-13	C-15	C-18	C-21
Output termination options	FA, SA, FP, SP				
Output pigtail	SMF28, Front-panel				
Input termination options	FA, SA, FP, SP				
Input pigtail	SMF28, Front-panel				
Injected linewidth	Limited				

Electrical, Environmental and Packaging:

	Unit	BT
Electrical Specification:		
AC Voltage	V	85 to 264 VAC, 47-63Hz
Power Consumption	W	<100
Interface		RS232 and GPIB
Environmental		
Operating Temperature	°C	From 15 to 35
Storage Temperature	°C	From -20 to 55
Warm up time	min	<10
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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