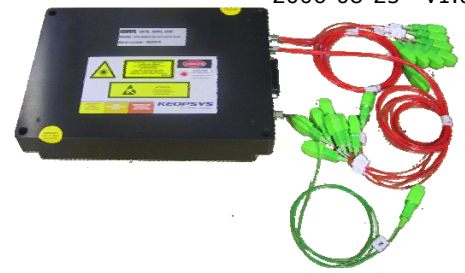


C-band multiple ports High power fiber amplifier

OEM-CATV series

2006-08-25 - v1.0



Applications: Module for CATV optical fiber network
 Form factor: CATV1 OEM HP
 product reference: KPS-STD-OEM-CATV-16x-17-xxx-yy-zz

Optical Specifications:

	Conditions	Unit	16x-11	16x-14	16x-17	16x-20	16x-22
Mode of operation			CW				
Nominal output power	Pin = 0dBm (lowest port)	<i>dBm</i>	11	14	17	20	22
Input power		<i>dBm</i>	From +5 to +10				
Bandwidth		<i>nm</i>	1540-1565				
Noise figure	Pin=0dBm, λ=1550nm	<i>dB</i>	max: 5,5				
Input/Interstage isolation			Yes				
Output isolation			Yes				No
Input monitoring			Yes				
Output monitoring			Yes				
Control Mode			ACC, APC				
APC Pw. Tunability		<i>%</i>	55-100				
APC Pw. Stability	8h, 25°C	<i>%rms</i>	max: 1				
Split. Uniformity		<i>dB</i>	max: 1,2				

Optical Interface:

	16x-11	16x-14	16x-17	16x-20	16x-22
Output termination options			FA, SA, FP, SP, B		
Output pigtail			SMF28, 900µm, PVC, 1m		
Input termination options			FA, SA, FP, SP		
Input pigtail			SMF28, 900µm, PVC, 1m		
Injected linewidth			Limited		

Electrical, Environmental and Packaging:

Electrical Specification:	Unit	CATV1		OEM HP
AC Voltage	<i>V</i>	5 to 24		5 to 24
Power Consumption	<i>W</i>	<80		<80
Interface		RS232, analog PD monitoring	RS232, analog PD monitoring	
Environmental				
Operating Temperature	<i>°C</i>	From 0 to 65		From 0 to 55
Storage Temperature	<i>°C</i>	From -40 to 85		From -20 to 70
Warm up time	<i>min</i>			
Dimension and Weight				
Dimensions Laser module	<i>mm</i>	240x170x25		300x170x25
Weight	<i>Kg</i>	<1,2		<1,8

Options available:

- xxx = IN monitoring, 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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