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2006-10-25 - v1.0

PM Ytterbium Fiber Amplifier

SLM-PM-YFA series



Applications: Instrument for R&D labs
Form factor: Benchtop 19' Rackable
product reference: KPS-STD-BT-YFA-40-SLM-PM-xxx-yy-zz

Optical Specifications:

	Conditions	Unit	YFA-10	YFA-20	YFA-30	YFA-40	YFA-50	YFA-100
Mode of operation			CW					
Nominal output power	Pin = +5dBm	*W*	1	2	3	4	5	10
Input power		*dBm*	From +5 to +15					
Bandwidth		*nm*	1050-1080					
Input/Interstage isolation			Yes					
Output isolation			Option	No				
Input monitoring			Option					
Output monitoring			No					
Control Mode			ACC					
PER	signal only	*dB*	min: 17		min: 15			
M²	LP01		max: 1.1		max: 1.5			-

Optical Interface:

	YFA-10	YFA-20	YFA-30	YFA-40	YFA-50	YFA-100
Output termination options	FA, Col, B	Col, B				
Output pigtail	Panda980, 3mm, PVC, 1m	Panda LMA 15/130 NA 0.08, 3mm, PVC, 0.5m				-
Input termination options	FA					
Input pigtail	Panda980, 3mm, PVC, 1m					
External fiber restriction	No connexion					
Backreflection	Limited					
Injected linewidth	>1kHz					

Electrical, Environmental and Packaging:

			BT
Electrical Specification:		***Unit***	
	AC Voltage	*V*	85 to 264 VAC, 47-63Hz
	Power Consumption	*W*	<400
	Interface		RS232 and GPIB
Environmental			
	Operating Temperature	*°C*	From 15 to 35
	Storage Temperature	*°C*	From -20 to 55
	Warm up time	*min*	<30
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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