Single Frequency Erbium Fiber Laser

EFL-SLM-PM series

no illustration available

2006-08-24 - v1.0

Applications: Instrument for R&D labs and components testing
Form factor: BT type N
product reference: KPS-STD-BTN-EFL-1550-SLM-PM-10-xxx-yy-zz

Optical Specifications:

	Conditions	Unit	PM-005	PM-01	PM-05	PM-10	PM-20	PM-30	PM-40	PM-50
Mode of operation			CW							
Nominal output power		*W*	0,05	0,1	0,5	1	2	3	4	5
Central wavelength.	vaccum	*nm*	1550 +/- 1							
Input / Interstage isolation			Yes							
Output isolation			Yes					No		
Output monitoring			Option					No		
Piezzo tuning			Option							
WI. Tunability			With T°:min: 20GHz;With PZT:min: 200MHz							
Control Mode			ACC, APC option					ACC		
APC Pw. Tunability		*%*	55-100					-		
APC Pw. Stability	8h, 25°C	*%rms*	max: 3					-		
WI. Stability	over 8h, 25°C	*MHz*	+/- 50							
Linewidth	FWHM	*KHz*	max: 100							
PER	signal only	*dB*	min: 20			min: 17		min: 12		
M²	LP01		max: 1.1							

Optical Interface:

	PM-005	PM-01	PM-05	PM-10	PM-20	PM-30	PM-40	PM-50
Output termination options	FA, SA, FP, SP		FA, SA, FP, SP, Col, E2PS, B			Col, E2PS, B		
Output pigtail	Panda1550, Front-panel		Panda1550, 3mm, PVC, 1m					
External fiber restriction	-	50 m	10 m	5 m	2,5 m	No connexion		
Backreflection	-		Limited					
Injected linewidth	Limited							

Electrical, Environmental and Packaging:

			BT type N
Electrical Specification:		***Unit***	
	AC Voltage	*V*	85 to 264 VAC, 47-63Hz
	Power Consumption	*W*	<200
	Interface		USB
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*	360x480x90
	Weight	*Kg*	<5

Options available:

- xxx = IN monitoring or PZT, ISO, APC / OUT monitoring options (see specifications)
- yy = non available
- zz = output termination option
- Other wavelengths

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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