

# C-Band Erbium Fiber Wavelength

## TFL-PM series

2006-08-24 - v1.0

Applications: Instrument for R&D labs and components testing  
 Form factor: Benchtop 19" Rackable  
 product reference: KPS-STD-BT-TFL-1550-PM-05-LC-xxx-yy-zz



### Optical Specifications:

	Conditions	Unit	PM-01	PM-02	PM-03	PM-05	PM-10	PM-20	PM-50	
<b>Mode of operation</b>			CW							
<b>Nominal output power</b>		W	0,1	0,5	1	2	3	4	5	
<b>Central wavelength.</b>	vaccum	nm	min: 1535 max: 1565							
<b>Input/Interstage isolation</b>			Yes							
<b>Output isolation</b>			Yes							
<b>Output monitoring</b>			Option							
<b>Piezzo tuning</b>			No							
<b>Wl. Tunability</b>		nm	MEC min: 30							
<b>Control Mode</b>			ACC, APC option							
<b>APC Pw. Tunability</b>		%	55-100							
<b>APC Pw. Stability</b>	8h, 25°C	%rms	max: 3							
<b>Linewidth</b>	FWHM	nm	max: 1							
<b>PER</b>	signal only	dB	min: 20					min: 17		min: 12
<b>M<sup>2</sup></b>	LP01		max: 1.1							

### Optical Interface:

	PM-01	PM-02	PM-03	PM-05	PM-10	PM-20	PM-50
<b>Output termination options</b>	FA, SA, FP, SP		FA, SA, FP, SP, Col, E2PS, B			Col, E2PS, B	
<b>Output pigtail</b>	Panda1550, Front-panel		Panda1550, 3mm, PVC, 1m				
<b>Backreflection</b>	-		Limited				
<b>Injected linewidth</b>	Limited						

### Electrical, Environmental and Packaging:

	Unit	BT
<b>Electrical Specification:</b>		
AC Voltage	V	85 to 264 VAC, 47-63Hz
Power Consumption	W	<200
Interface		RS232 and GPIB
<b>Environmental</b>		
Operating Temperature	°C	From 15 to 35
Storage Temperature	°C	From -20 to 55
Warm up time	min	<30
<b>Dimension and Weight</b>		
Dimensions Laser module	mm	88x448x446
Weight	Kg	<5

### Options available:

- xxx = IN monitoring or PZT, ISO, APC / OUT monitoring options (see specifications)
- yy = non available
- 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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