

Ytterbium Fiber Amplifier

YFA-SLM series

2006-10-25 - v1.0



Applications: Instrument for R&D labs
 Form factor: Benchtop 19' Rackable
 product reference: KPS-STD-BT-YFA-SLM-30-xxx-yy-zz

Optical Specifications:

| | Conditions | Unit | SLM-10 | SLM-20 | SLM-30 | SLM-40 | SLM-50 | SLM-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 | | | Yes | | | | | |
| Output monitoring | | | No | | | | | |
| Control Mode | | | ACC | | | | | |
| APC Pw. Tunability | | | - | | | | | |
| APC Pw. Stability | | | - | | | | | |
| M² | LP01 | | max: 1.1 | | | max: 1.5 | | |

Optical Interface:

| | SLM-10 | SLM-20 | SLM-30 | SLM-40 | SLM-50 | SLM-100 |
|-----------------------------------|---|--------|--------|--------|--------|---------|
| Output termination options | Col, B | | | | | |
| Output pigtail | SM, 6/130, NA 0.11, 3mm, PVC, 1m/LMA 15/130 NA 0.08, 3mm, PVC, 0.5m | | | | | |
| Input termination options | FA | | | | | |
| Input pigtail | SM, 6/130, NA 0.11, 3mm, PVC, 1m | | | | | |
| External fiber restriction | No connexion | | | | | |
| Backreflection | Limited | | | | | <-27dB |
| Injected linewidth | >1KHz | | | | | |

Electrical, Environmental and Packaging:

| | | Unit | BT |
|----------------------------------|-------------------------|------|------------------------|
| Electrical Specification: | | | |
| | 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, 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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