

C-band Standard Fiber Amplifier

OEM-C-SFA series

2006-08-30 - v1.0

Applications: Module for optical fiber network
 Form factor: OEM 25
 product reference: KPS-STD-OEM-C-13-Sd-xxx-yy-zz



Optical Specifications:

| | Conditions | Unit | C-10 | C-13 | C-15 | C-18 |
|----------------------------|--------------------|------|----------------|------|------|------|
| Mode of operation | | | CW | | | |
| Nominal output power | Pin = 0dBm | dBm | 10 | 13 | 15 | 18 |
| Input power | | dBm | From -10 to +5 | | | |
| Bandwidth | | nm | 1529-1562 | | | |
| Noise figure | Pin=0dBm, λ=1550nm | dB | max: 6 | | | |
| Input/Interstage isolation | | | Yes | | | |
| Output isolation | | | Yes | | | |
| Input monitoring | | | Yes | | | |
| Output monitoring | | | Yes | | | |
| Control Mode | | | ACC, APC | | | |
| APC Pw. Tunability | | % | 10-100 | | | |
| APC Pw. Stability | 8h, 25°C | %rms | max: 1 | | | |

Optical Interface:

| | C-10 | C-13 | C-15 | C-18 |
|----------------------------|-----------------------|------|------|------|
| 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:

| | Unit | OEM 25 |
|----------------------------------|------|----------------|
| Electrical Specification: | | |
| AC Voltage | V | 5 to 24 |
| Power Consumption | W | <20 |
| Interface | | RS232 |
| Environmental | | |
| Operating Temperature | °C | From 0 to 55 |
| Storage Temperature | °C | From -20 to 70 |
| Warm up time | min | |
| Dimension and Weight | | |
| Dimensions Laser module | mm | 150x120x25 |
| Weight | Kg | <0,6 |

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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