

DCP-F-A22

EDFA amplifier with 22 dB Gain, 1RU plug-in unit, with support for 2 x Passive Plug-In Modules (PPM's)

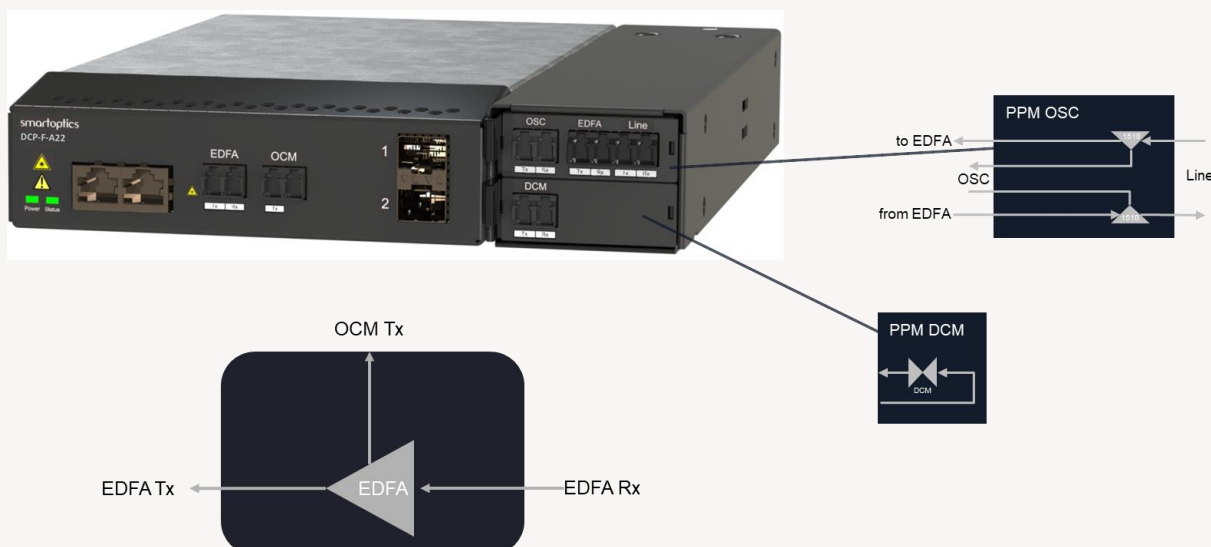


A DEDICATED EDFA AMPLIFIER WITH ROOM FOR TWO PASSIVE PLUG-IN MODULES

The DCP-F-A22 is a member of the DCP-F family that is designed for maximum configuration flexibility with the active units available as individual modules plugged directly into the standard Smartoptics DCP-2 chassis, each module occupying one slot. The module also has an integrated expansion field for optional passive plug-in modules (PPM), used for example for dispersion compensation. The small footprint of the DCP-2 chassis and the pluggable configuration allows for excellent flexibility in various applications and in all types of network topologies. By combining one or more DCP-F units they can be used for different types of point-to-point applications, 2-degree ROADM applications and active/passive ring applications.

DCP-F-A22 IN SHORT

- EDFA amplifier with an optimum gain of 22 dB
- Monitor tap port
- Fits into one slot of the DCP-2 chassis
- One unit used per direction
- Support for 2 x Passive Plug-In modules (PPM)
- Available PPM modules
 - PPM for dual fiber 1510nm OSC filter (optional)
 - PPM's for 20, 40 & 80 km DCM module (optional)
 - PPM's for 3% & 50% Optical couplers (optional)



ORDERING INFORMATION

DCP Series product codes

DCP-F-A22

EDFA amplifier with 22 dB Gain, 1RU plug-in unit, with support for 2 x Passive Plug-in Modules (PPM's)

TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION

Active optical slot-in unit that is used to form an open line system for metro DWDM, DCI and dark fiber connectivity.

Supported encodings:

- NRZ (1-16G)
- Coherent (QPSK/8QAM/16QAM)

Supported protocols:

- 1/10/40/100/200/400/800G Ethernet
- 1/2/4/8/16/32G Fiber Channel
- Other protocols may be supported, contact Smartoptics for more information.

FRONT SIDE CONNECTIONS

All optical ports are of LC connector type

1 x EDFA input/output port
1 x Monitor output port

2 x RJ45 Management ports 10/100/1000 Base-T
2 x SFP Management port 1000 Base-X

VISUAL INDICATORS

Status LED Power & Alarm status
Line LED: Line Tx/Rx

REAR SIDE CONNECTIONS

Management and console ports (located on the DCP-2 chassis)
4 x RJ45 management ports 10/100/1000 Base-T
1 x SFP management port 1000 Base-X
1 x RS-232 serial port
1 x RJ-45 local craft 10/100/1000 Base-T

MANAGEMENT PROTOCOLS

CLI, SSH, SNMPv2c
NTP, SFTP, Syslog, RADIUS, TACACS+

SOFTWARE UPGRADES

Traffic hitless software upgrades

DIMENSIONS

Size (WxDxH)
1.73 x 8.07 x 10.63"
44 x 205 x 270mm
Weight: 1.8 Kg / 4 lbs

POWER CONSUMPTION

Typical consumption at 220VAC:
Normal operation: 30W
Max during power up: 35W

ENVIRONMENTAL

Operating temp: 0°C to +45°C
Cooling: Front to back
Humidity: 5% to 85%
Altitude: 3000 m (10.000 ft)

OPTICAL SPECIFICATION

Amplifier:
Maximum total output Power: 20 dBm
Gain flattened optimized gain: 22 dB
Settable gain: 20-28 dB
Input power range: 0 to -32 dBm
Noise figure: 5,5 dB
Monitor port ratio: 1% (20 dB)
Laser Class: 1

Note. The information in this document is valid from release R8.1