

DATASHEET

DCP-F-A22

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

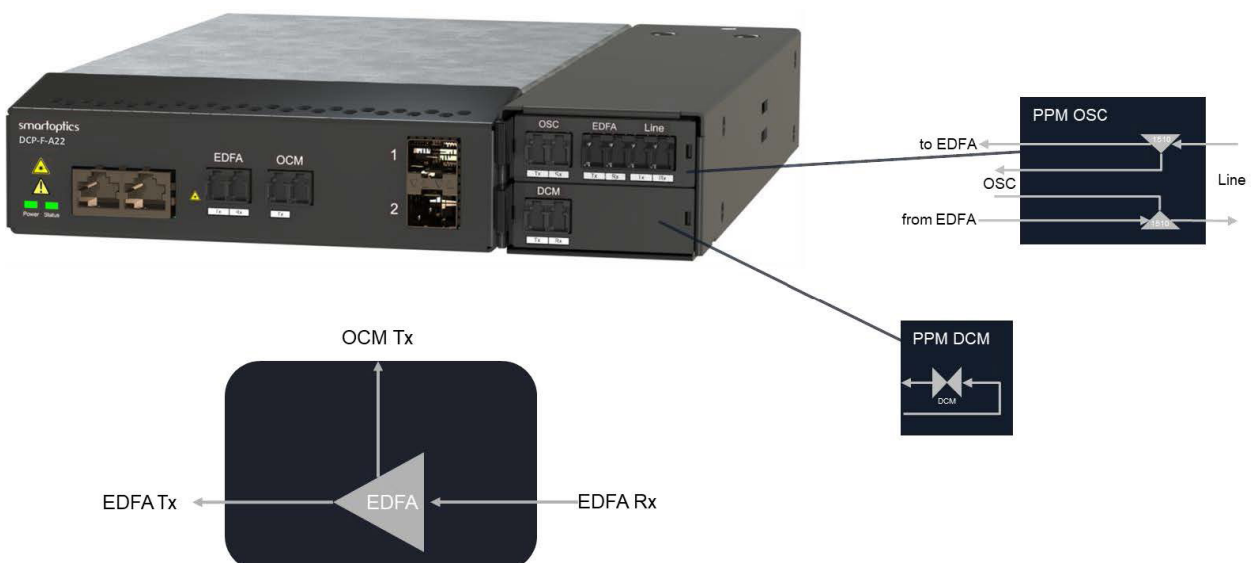


A DEDICATED EDFA AMPLIFIER WITH ROOM FOR TWO PASSIVE PLUG-IN MODULES

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 ROADMs 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 40 & 80 km DCM module (optional)
 - PPM's for 2% & 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)
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TECHNICAL SPECIFICATIONS

PRODUCT CONFIGURATION	<p>Active optical slot-in unit that is used to form an open line system for metro DWDM, DCI and dark fiber connectivity.</p> <p>Supported encodings:</p> <ul style="list-style-type: none">- NRZ (1-16G)- Coherent (QPSK/8QAM/16QAM) <p>Supported protocols:</p> <ul style="list-style-type: none">- 1/10/40/100/200/400G Ethernet- 1/2/4/8/16G Fiber Channel- Other protocols may be supported, contact Smartoptics for more information.	DIMENSIONS	<p>Size (WxDxH) 1.73 x 8.07 x 10.63" 44 x 205 x 270mm Weight: 1.8 Kg / 4 lbs</p>
FRONT SIDE CONNECTIONS	<p>All optical ports are of LC connector type</p> <ul style="list-style-type: none">1 x EDFA input/output port1 x Monitor output port <p>2 x RJ45 Management ports 10/100/1000 Base-T</p> <p>2 x SFP Management port 1000 Base-X</p>	POWER CONSUMPTION	<p>Typical consumption at 220VAC: Normal operation: 30W Max during power up: 35W</p>
VISUAL INDICATORS	<p>Status LED Power & Alarm status Line LED: Line Tx/Rx</p>	ENVIRONMENTAL	<p>Operating temp: 0°C to +45°C Cooling: Front to back Humidity: 5% to 85% Altitude: 3000 m (10,000 ft)</p>
REAR SIDE CONNECTIONS	<p>Management and console ports (located on the DCP-2 chassis)</p> <ul style="list-style-type: none">4 x RJ45 management ports 10/100/1000 Base-T1 x SFP management port 1000 Base-X1 x RS-232 serial port1 x RJ-45 local craft 10/100/1000 Base-T	OPTICAL SPECIFICATION	<p>Amplifier: Maximum total output Power: 20 dBm Gain flattened optimized gain: 22 dB Settable gain: 22-28 dB Input power range: -2 to -30 dBm Noise figure: 5,5 dB Monitor port ratio: 1% (20 dB)</p>
MANAGEMENT PROTOCOLS	<p>SSH/CLI, SNMP, NTP, TFTP, TACACS+, Syslog, Radius</p> <p>In future release: REST, NetConf</p>		
SOFTWARE UPGRADES	<p>Traffic hitless software upgrades</p>		

** The information in this document is valid from release R6.0