

DCP-F-RA12

Raman amplifier with variable 12dB gain on G.652 fiber, 1RU plug-in unit, with support for 2 x Passive Plug-in Modules (PPM's)



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

The DCP-F-RA12 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-RA12 IN SHORT

- Raman amplifier with 12dB gain for G.652 fiber
- Monitor tap port
- Port for OTDR 1600-1670nm
- 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 10, 20, 40 & 80 km DCM module (optional)
 - PPM's for 3% & 50% Optical couplers (optional)



ORDERING INFORMATION

DCP Series product codes

DCP-F-RA12

Raman amplifier with 12 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 can be used as part of an open line system for DWDM.

FRONT SIDE CONNECTIONS

All optical ports are of LC connector type

1 x E2000 line input port
1 x Monitor output port
1 x OTDR port, 1600-1670nm

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, SNMPv3
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: TBD W
Max during power up: TBD W

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: 12 dBm
Settable gain: 7-12 dB
Input power range: +5 to -40 dBm
Noise figure: 0 dB
Monitor port ratio: 1% (20 dB)
Laser Class: 1

Note. The information in this document is valid from release R11.1.1

Subject to change without notice.

For more information visit smartoptics.com.

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