

HDO722 OPTICAL FIBRE AMPLIFIER



HDO722 is a high performance fibre amplifier for 1550 nm fibre optic CATV link.

Features

- 2, 3 or 4 outputs
- Output power up to +19 dBm
- Low noise figure

Management features

- Pump status monitoring
- Optical input power monitoring
- Optical output power monitoring
- Pump temperature monitoring
- Pump bias current monitoring
- Fibre amplifier module temperature monitoring
- Pump bias current adjustment
- Pump laser on/ off selection
- Remote control and management by industry standard SNMP

Technical specifications

Parameter	Specification	Note
Wavelength range	1540...1560 nm	
Saturation output power, 2 outputs	+19 dBm	1)
3 outputs	+17.5 dBm	1)
4 outputs	+16 dBm	1)
Optical input power range	-5...+10 dBm	
Noise figure	<5 dB	2)
Number of optical outputs	2, 3 or 4	3)
General		
Power consumption	<30 W	
Supply voltage	230 V / 130 mA	4)
Connectors	SC/APC	5)
Dimensions	1U x 19"	6)
Weight	5.0 kg	
Enclosure classification	IP21	
Operating temperature range	0...+50 °C	
Storage temperature range	-25...+65 °C	
EMC compatibility	EN 50083-2	
Optical safety	IEC 60825	7)

Notes

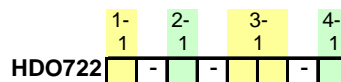
- 1) Nominal value at the output connector.
- 2) Typical value at 0 dBm input power.
- 3) Configured when ordered.
- 4) -48 VDC model is available on a request.
- 5) Other connector types are available on a request.
- 6) 43.5 x 434 x 260 mm (h x w x d).
- 7) IEC 60825-1, Safety of laser products - Part 1: Equipment classification, requirements and user's guide.
IEC 60825-2, Safety of laser products - Part 2: Safety of optical fibre communications systems.

Ordering information

HDO722 configuration map

DOC0016138

Rev 001



1-1 Connector type
1 SC/APC 8°
2 FC/APC tight fit key
3 E2000
4 SC/APC 9°

2-1 Power supply
1 230 VAC
2 -48 VDC

3-1 Internal splitter
02 2 output
03 3 output
04 4 output

4-1 Select
A Select this and confirm HDO722-1-1-01-A