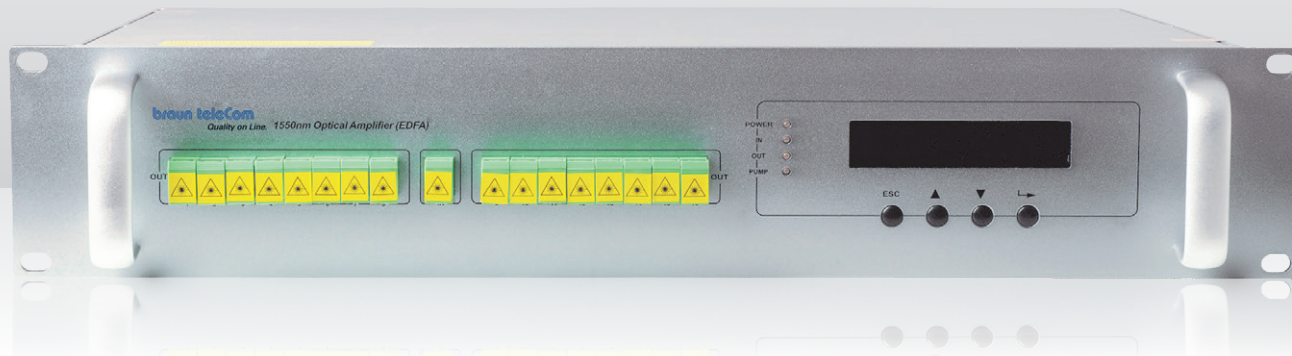


# EDFA-1550-XxX-HP-2U

## High power optical amplifiers

10420816

EDFA-1550-16x16-HP-2U



- Adopts erbium ytterbium co-doped double-clad fiber technology
- 4 – 32 output ports
- Extreme high optical output power per port
- Adjustable loss at the output 0 – 3 dB
- Low noise figure
- Network management interface, in line with standard SNMP network management

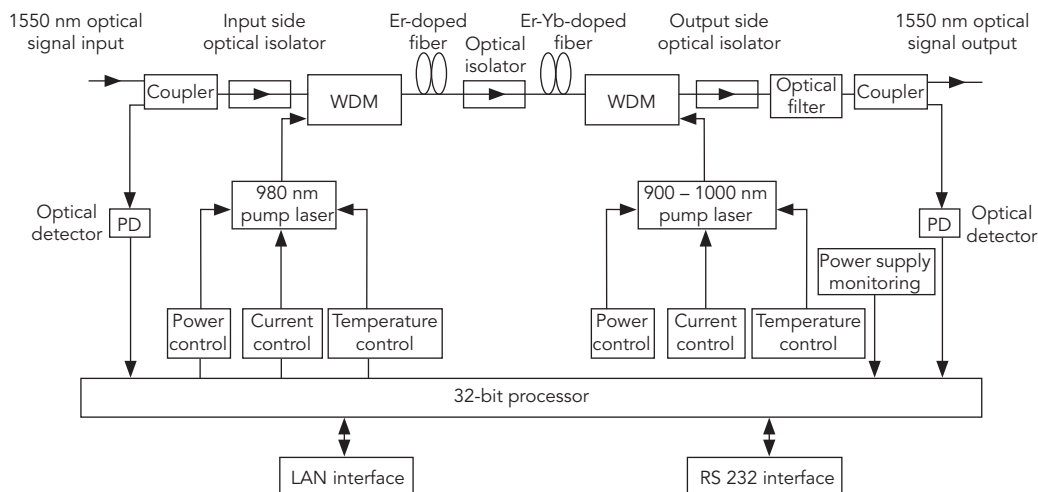
- Intelligent temperature control system for lowering the power consumption
- System parameter setting by front panel keypad, serial interface (RS 232) or user-friendly web interface
- RS 232 and RJ 45 control interface
- 2 power supplies with each 50 % load sharing, 160 ... 250 VAC or 48 VDC, hot-pluggable
- Connector types: SC/APC (optical) – E2000/APC alternative available

| Parameter                                          | Applies to all EDFA models listed on the right |
|----------------------------------------------------|------------------------------------------------|
| Operating wavelength [nm]                          | 1545 – 1565                                    |
| Optical input power range [dBm]                    | -3 ... +10                                     |
| Output power stability [dBm]                       | ± 0,5                                          |
| Return loss optical output [dB]                    | ≥ 45                                           |
| Return loss optical input [dB]                     | ≥ 45                                           |
| Noise figure [dBμV]                                | ≤ 5                                            |
| Optical connectors                                 | SC/APC                                         |
| Power consumption [W]                              | 30                                             |
| Operating temperature range [°C]                   | -10 ... +45                                    |
| Storage temperature range [°C]                     | -30 ... +70                                    |
| Max. relative humidity (operation and storage) [%] | max. 95 %, no condensation                     |
| Dimensions (L x W x H) [mm]                        | 434 x 456 x 87                                 |
| Weight [kg]                                        | 6,8                                            |
| Rack unit                                          | 19"/2 RU                                       |

| Model                  | Max internal output power [dBm] | Amount output ports | Output power per port [dBm] | Order No. |
|------------------------|---------------------------------|---------------------|-----------------------------|-----------|
| EDFA-1550-4x18-HP-2U*  | 25                              | 4                   | 18                          | 10420838  |
| EDFA-1550-4x20-HP-2U*  | 27                              | 4                   | 20                          | 10420840  |
| EDFA-1550-4x22-HP-2U*  | 29                              | 4                   | 22                          | 10420842  |
| EDFA-1550-4x24-HP-2U*  | 31                              | 4                   | 24                          | 10420844  |
| EDFA-1550-8x16-HP-2U*  | 27                              | 8                   | 16                          | 10420856  |
| EDFA-1550-8x18-HP-2U*  | 29                              | 8                   | 18                          | 10420858  |
| EDFA-1550-8x20-HP-2U   | 31                              | 8                   | 20                          | 10420860  |
| EDFA-1550-8x22-HP-2U   | 33                              | 8                   | 22                          | 10420862  |
| EDFA-1550-16x16-HP-2U* | 31                              | 16                  | 16                          | 10420816  |
| EDFA-1550-16x19-HP-2U  | 34                              | 16                  | 19                          | 10420819  |
| EDFA-1550-16x21-HP-2U  | 36                              | 16                  | 21                          | 10420821  |
| EDFA-1550-32x16-HP-2U  | 34                              | 32                  | 16                          | 10420826  |
| EDFA-1550-32x18-HP-2U  | 33                              | 32                  | 18                          | 10420828  |

\* Version with 1 RU on request

Further EDFA models are available on request!



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