



Opto-Link  
Corporation Ltd

# C-Band Single Channel Bench Top Erbium-doped Fiber Amplifier(EDFA)

**Output Power: 27dBm**

The C-Band single channel bench top EDFA is conveniently packaged for use in a laboratory environment. This device features high output power, high gain, low power consumption and low noise figure.

## Applications

- Optical Networks
- Lab Applications
- Testing

## Features

- High Output Power
- High Gain
- Low Noise Figure



C-Band Single Channel Bench Top EDFA

| Parameter                          | Specification                        | Units |
|------------------------------------|--------------------------------------|-------|
| Output Power                       | Min. 27 (Input power = 0dBm)         | dBm   |
| Input Power                        | -6 to +3                             | dBm   |
| Optical Gain                       | Min. 38 (Input power = -30dBm)       | dB    |
| Noise Figure                       | Max. 8.0 (Input power = -20dBm)      | dB    |
| Operating Wavelength               | 1535 to 1560                         | nm    |
| Input/Output Isolation             | > 30                                 | dB    |
| Polarization Dependent Gain (PDG)  | Typ. 0.3, Max. 0.5                   | dB    |
| Polarization Mode Dispersion (PMD) | Typ. 0.3, Max. 0.5                   | ps    |
| Operating Temperature              | 0 to +40                             | °C    |
| Storage Temperature                | -10 to +70                           | °C    |
| Power Supply                       | 80 to 240, 43 to 63Hz                | V AC  |
| Dimensions                         | 250 x 300 x 100                      | mm    |
| Control                            | Keylock Switch, Optical Output Power | --    |
| LCD Display                        | Optical Output Power                 | --    |
| Interface                          | RS232                                | --    |
| Protection                         | Pump Laser Overheat                  | --    |
| Optical Output Connector           | FC/APC                               | --    |
| Optical Fiber                      | SMF-28                               | --    |

## ORDERING CODES

OLEDFA – B –  – C – [Output power] (dBm) –

| Amplifier Type    | Code |
|-------------------|------|
| Booster Amplifier | B    |
| Line Amplifier    | L    |
| Pre-amplifier     | P    |

| Connector Type | Code |
|----------------|------|
| FC/UPC         | FU   |
| FC/APC         | FA   |
| SC/UPC         | SU   |
| SC/APC         | SA   |
| MU/UPC         | MU   |

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