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Corporation Ltd

EDFA for SDH

This Erbium-Doped Fiber Amplifier (EDFA) is designed for the Synchronous Digital Hierarchy (SDH) applications. The device features wide input power, tunable output power and low noise figure. It also includes RS-232 computer interface.

Types

- Booster Amplifier
- In-Line Amplifier
- Pre-Amplifier



Applications

- SDH Networks

Features

- Wide Input Power Range
- Tunable Output Power
- Low Noise Figure
- RS232 Interface



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SPECIFICATIONS

EDFA for SDH

| Parameter | | | Performance | Unit |
|-----------------------------------|-------------------|-----|---|------|
| Operating Wavelength | | | 1530 to 1565 (Typical: 1550) | nm |
| Input Power | Booster Amplifier | | -6 to +4 | dBm |
| | In-Line Amplifier | | -34 to -6 | dBm |
| | Pre-Amplifier | | -45 to -25 | dBm |
| Output Power | Booster Amplifier | | 10 to 19 | dBm |
| | In-Line Amplifier | | 0 to 19 | dBm |
| | Pre-Amplifier | Max | -9 | dBm |
| Noise Figure | Booster Amplifier | Typ | 5.0 | dB |
| | In-Line Amplifier | Typ | 4.5 | dB |
| | Pre-Amplifier | Typ | 4.5 | dB |
| Isolation | Input | Min | 30 | dB |
| | Output | Min | 30 | dB |
| Output Pump Leakage | | Max | -30 | dBm |
| Return Loss | Input | Min | 45 | dB |
| | Output | Min | 45 | dB |
| Polarization Dependent Gain (PDG) | | Max | 0.5 | dB |
| Power Consumption | | Max | 25 | W |
| Operating Temperature | | | 0 to 50 | °C |
| Operating Humidity | | | 5 to 95 | % |
| Storage Temperature | | | -40 to 75 | °C |
| Voltage | | | Rack Mount: -48 DC Module Type: +5 DC | V |
| Dimension * | | | Rack Mount: (L x W x H) 201 x 482.6 x 43.6 Module Type: (L x W x H) 125 x 150 x 24 | mm |

* The size of the product can be customized

ORDERING CODES

OLEDFA - S - [] - [Output power (dBm)] - [] - []

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

| Pigtail Type * | Code |
|----------------|------|
| 900 μm | 90 |
| 3.0 mm | 3 |

* Option for Modules only

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

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