

# FIBER AMPLIFIERS

Nuphoton fiber amplifiers are designed and optimized for demanding applications in Telecom, CATV and FTTH.



## FEATURES

- Wide signal bandwidth
- Excellent gain flatness
- Dynamic gain and power control
- Compact footprint
- ACC, AGC and AOPC modes of operation
- User friendly software

## SPECIFICATIONS

Parameter	C Band Single Channel EDFA	C Band DWDM EDFA	C Band Multimode EDFA	L Band single channel EDFA	L Band DWDM EDFA
Max. output power (dBm)	10 to 43	27	20	40	26
Amplifier gain (dB)	Up to 40	20 to 35	15 to 40	Up to 40	12 to 32
Operating wavelength (nm)	1530 - 1565 for up to +27 dBm, 1550 -1566 for >+27 dBm	1528 -1565	1528 -1565	1570 -1610	1570 -1610
Linear polarization option	Available	Available	Not Available	Available	Available
Noise figure (dB)	3.5 to 6	4.0 to 6.0	6 to 12	≤6.0 (typical)	5 to 7

Parameter	S Band Single Channel EDFA	CL Band DWDM EDFA	1 um YDFA	1.3 um BDFA
Max. output power (dBm)	22	30	40	29
Amplifier gain (dB)	25	27	30	29
Operating wavelength (nm)	1510 - 1520	1528 - 1610	1024, 1030, 1050, 1060, 1070 etc.	1270 - 1340
Linear polarization option	Available	Available	Available	Not Available
Noise figure (dB)	<7	<6	<6	Not specified