## O-Band Amplifier with 30 dB Gain

## Part Number: BDFA-CW-1310-RS-0-30-FCA

O-band amplifier uses bismuth-doped fiber as the gain medium. O-band amplifier with BDFA technology provides low noise figure compared to PDFA. Optional rackmount will be provided with remote control interfaces

Parameters	Specifications
Wavelength Range	1270 – 1340 nm, O-band
Gain Flattening Filter	Not included
Small Signal Input Power	-30 dBm typical, tested with at 1310 nm typical
Gain	30 dB, 1310 nm, -30 dBm input
Saturated output power	$\geq$ +17 dBm with 0 dBm/1310 nm input
Optical Input Fiber	FC/APC, 1 meter, SMF-28
Optical Output Fiber	FC/APC, 1 meter, SMF-28
Input Power Monitoring Range	-35 dBm to 0 dBm
Output Power Monitoring Range	0 to +20 dBm
Input Power Measurement Accuracy	≤ +/- 0.3 dB, 1310 nm
Output Power Measurement Accuracy	≤ +/- 0.3 dB, 1310 nm
Noise Figure	5.5 dB typical, 30 dB gain, 1310 nm, -30 dBm input
Control and Communication Interface	RS-232
Dimension	9.5 x 4.9 x 1.2 inch
Power supply	+5 VDC +/- 5%
Electrical Interface Connector	DB25
Operational Case Temperature Range	0 to +50 °C

## YOKOGAWA -⊽n CENTER: 1317.000nm втор:1342 SPAN: 50.0m AVG: 1 SMPL: 5001 (MANU) 10.0 db/c RES: 0.1 nm SENS: HIGH1 -15.0 REF -35.0 -55.0 -75.0 -95.0 12 92**.000** nm 1317.000 rm 5.00 nm/D 1342**.000** nm KNE ANALYSIS MODE DIFF OFST (IND: 0 00dB OFST (OUT) : 0.50dB ESOLN GAIN [dB] LV 420 DØ. 007 -2Ø 111 109 27 17/ Optical gain and NF for 4 wavelengths input

Proprietary Information of Nuphoton Technologies Manufactured in the USA





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