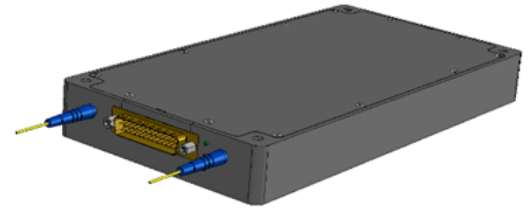


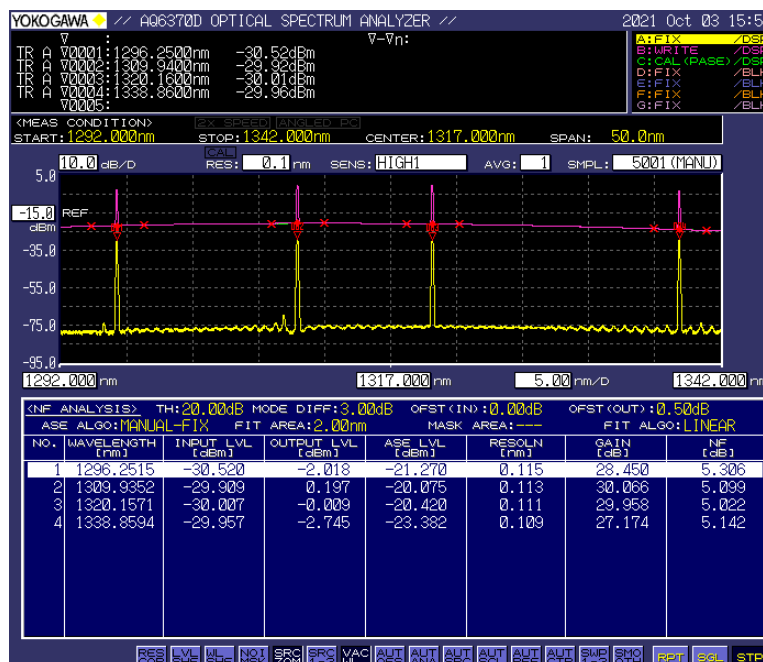
O-Band Amplifier with 30 dB Gain

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	≥ +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



Optical gain and NF for 4 wavelengths input