

ROA1

1U-Rack Optical Amplifier

Application

- ▶ Long-Haul, Metro and Access Networks
- ▶ Single Channel Networks

Features

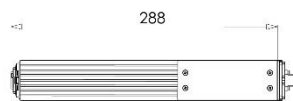
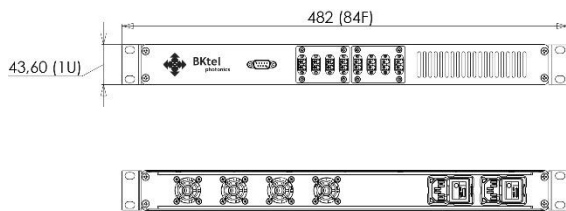
- ▶ High Output Power, up to +32dBm
- ▶ 1U Rack
- ▶ Low Noise Figure
- ▶ Simplified Internet Protocol Management, Digital Control System



Parameter

| | | ROA1-200 | ROA1-230 | ROA1-300 | ROA1-320 |
|----------------------------|-------|-------------|-------------|--------------|-------------|
| Wavelength | [nm] | 1530...1564 | 1530...1564 | 1530...1564 | 1535...1564 |
| Output Power | [dBm] | +20 | +23 | +30 | +32 |
| Input Power Range | [dBm] | -14...+12 | -14...+12 | -14...+12 | -14...+12 |
| Noise Figure | [dB] | 5.5 | 5.5 | 5.5 | 5.5 |
| PDG | [dB] | | | 0.3 | |
| PMD | [ps] | | | 0.5 | |
| Optical Isolation | [dB] | | | 30 | |
| Return Loss | [dB] | | | 40 | |
| Power Supply Voltage | [V] | | | +24 | |
| Power Consumption | [W] | 5 | 12 | 15 | 25 |
| Operating Case Temperature | [°C] | | | 0...+70 | |
| Communication Interface | | | | RS-232 / I2C | |

Mechanical Dimensions



Ordering Information

Custom variants are available upon request, please contact our customer service to discuss your specification requirements.

Evaluation board available on request



Specifications are subject to change without notice