

# PHOTONICS TECHNOLOGIES

The perfect solution for amplifying your  
signal

## ELECTRO-OPTICAL AMPLIFIER (EOA)

The Electro-Optic Amplifier is a broadband, high frequency amplifier primarily designed for use with electro-optic modulators (EOMs) where the available modulation signal is below 1V peak to peak. A 1V peak to peak input will produce ~ a 10V output signal which can be used to drive the Electro-Optic Modulator produced by Photonics Technologies.

The Electro-Optic Amplifier is suitable for amplification of signals up to 150MHz with a 20dB gain. You can use our Electro-Optic Amplifier for signal amplification of low power oscillators (for example 300mV).



### ELECTRO-OPTICAL AMPLIFIER

#### Applications

- Broadband, high frequency amplifier primarily designed for use with electro-optic modulators

#### Specifications and Options

- Frequency Response 0.4 –150 MHz
- Gain 20 dB
- Max Input 1 Volt
- Max Output 10 Volt
- Input/Output Impedance 50  $\Omega$ /50  $\Omega$
- Dimensions (HxWxL) 67mm x 204mm x 180mm
- Weight 1.6 kg
- Power Supply 240Vac (Max power 50VA)
- Connectors BNC input and output

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