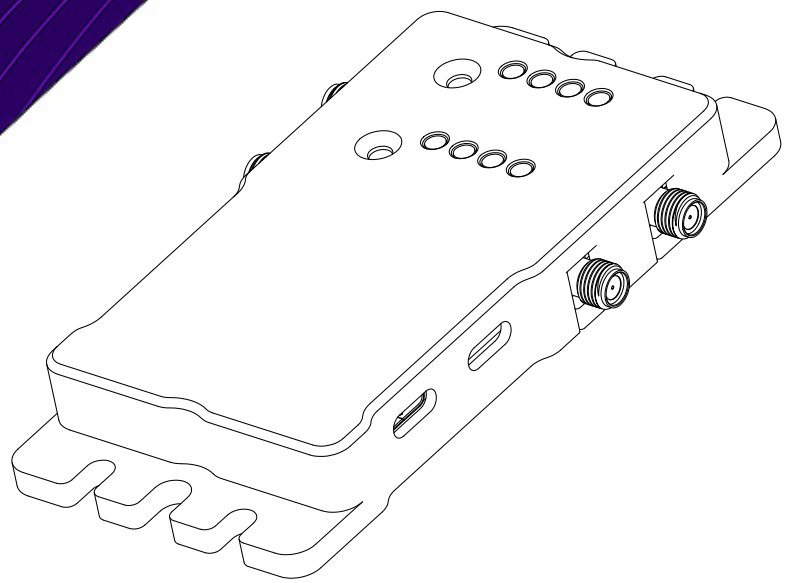




Opteric

Dual-channel Transimpedance Amplifier



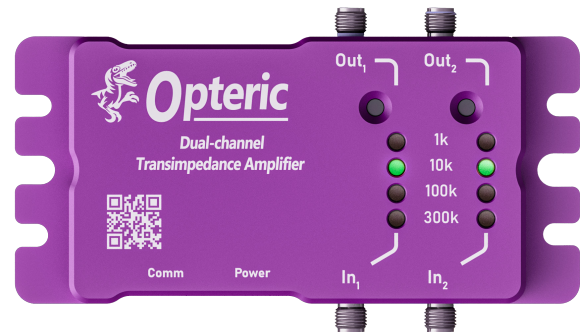
Features & Specifications

Specifications

- Transimpedance gain : 1,10, 100, 300 kV/A (fixed gain version), 1 – 400 kV/A (programmable gain version)
- Bandwidth (@3dB cut-off) : **1.5 MHz @400 kV/A – 10.0 MHz @1 kV/A**
- Noise density, input (typ.) : **2.1 pA/√Hz @400 kV/A – 123 pA/√Hz @1 kV/A**
- Output range : -2.5 V to +2.5 V
- Current consumption (typ.) : 250 mA
- Operating temperature : 0 °C to 85 °C

Key Features

- Precision machined aluminum casing
- 2 Channels
- 52 x 110 x 14 mm, 0.12 kg
- Mounting M6, M4, ¼" -20, #8-20



Interface:

- Signal : SMA, inputs (x2) and outputs (x2)
- Power : USB Type-C (+5 V)
- Control : Push-button (x2) for pre-defined gains (1, 10, 100, 300 kV/A) or user programmable (1-400 kV/A)
- USB Type-C, Virtual COM port (optional)
- Software : TIA control centre demo software & Command set for USB based test automation

Typical Application

- Current-to-voltage converter
- Photo multiplier tube (PMT)
- Avalanche photo diodes (APD)
- Microscopy imaging sub-system



Pricing

