

## High Speed Electro-Optics Polarization Controller-Scrambler

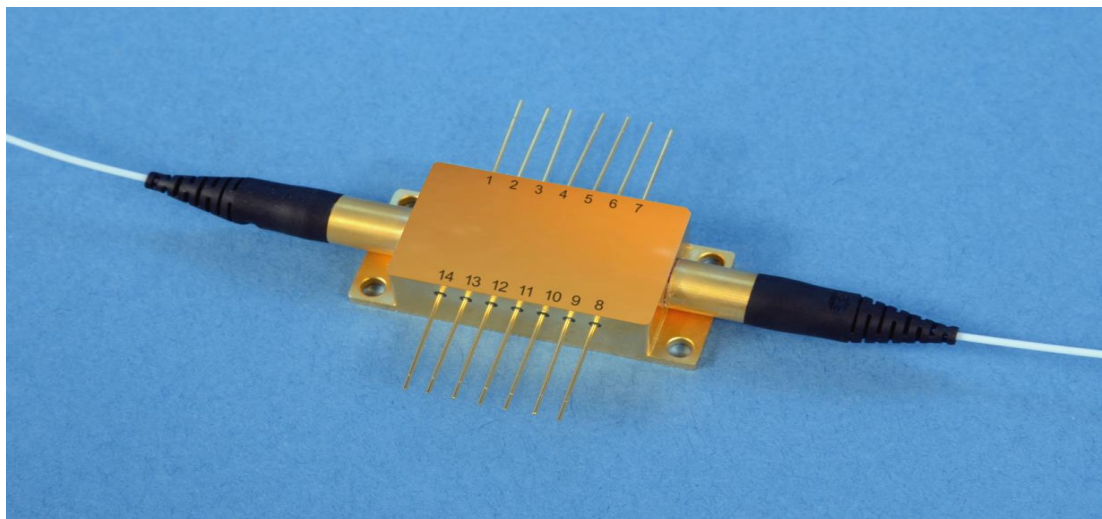
**DRAFT RELEASE - Version 1.0**

**Ottawa, Canada – May 20, 2021**

OZ Optics Limited, a world leading supplier of fiber optic products for existing and next-generation optical networks, is expanding the polarization controller-scrambler product family. OZ Optics now offers a high speed Electro-Optics Polarization Controller (EOPC) that provides continuous polarization control in a motionless, compact 14 pin butterfly package.

OZ Optics' High Speed Electro-Optic Polarization Controller (EOPC) is based on a novel, low-loss high speed free space Electro-Optic crystal technology. It provides a simple, efficient means to quickly manipulate the state of polarization by applying an external voltage. The device can be offered with 2, 3 or 4 independent channels. The built-in Electro-Optics crystal response time is less than  $< 10$  us with proper external voltage applied. The controller's rapid response speed easily handles changes in polarization caused by the external environment, and is highly suitable for polarization controlling and scrambling to either average Polarization Dependent Loss (PDL) and Polarization Dependent Gain (PDG) effects, or for making Polarization Mode Dispersion (PMD), Degree of Polarization (DOP) or PDL measurements. This makes it ideal for precise test and measurement applications.

Custom versions for other wavelengths bands, OEM modules with driver electronics and control interface, or stand-alone benchtop test instruments can be produced on demand. For detailed specifications and additional information about this and other products, visit [www.ozoptics.com](http://www.ozoptics.com).



### **About OZ Optics Limited**

Founded in 1985, OZ Optics Limited designs, manufactures and markets fiber optic components for existing and next-generation optical networks and systems based on proprietary technology, trade secrets and patents. OZ Optics products enable customers to develop optical networking systems that transmit data reliably at increasing data rates. OZ Optics also designs and manufactures handheld test and measurement equipment for the fiber optic market. The Company's state-of-the-art design capabilities enable OZ Optics to rapidly deliver a broad range of high-quality products to meet customer specifications and requirements. Contact an OZ Optics representative for technical details.

### **OZ Optics contact:**

Yesim Sezerman  
613-831-0981 ext. 3370  
[sales@ozoptics.com](mailto:sales@ozoptics.com)