

Acrobat™ Linear Polarization Converter

High-speed Polarization Controller with Compact Package

Boston Applied Technologies' linear Polarization Converter converts any input state of polarization to any selectable output state of polarization through the application of voltage to independently controlled retardation plates. The device uses OptoCeramic® electro-optic materials to enable high-speed, solid-state polarization conversions in a compact package.

Features

- High speed
- Low loss
- Compact
- Solid state
- Auto-reset

Applications

- Polarization mode dispersion compensation
- Polarization scrambler
- Polarization multiplexing
- Polarization generator
- Polarization management



Key Optical Specifications

Key Optical Specifications Attributes ^{1,2}	Performance
Wavelength Range ³	1530-1565 nm, 1570-1610 nm
Insertion Loss ²	< 2 dB
State of Polarization (SOP)	Arbitrary input and single linear output
Input Power	< 300 mW
Extinction Ratio	>20dB
Return Loss	>55dB
Operating Temperature Range	0 °C to 70 °C
Storage Temperature Range	-40 °C to 85 °C

Notes:

1. Unless otherwise specified, all measurements are at 25 °C and 1550 nm.
2. For all wavelengths with zero volts drive.
3. 1310nm and other wavelength are also available.

Contact Information

For more information about BATi' leadership in polarization controller technology and other optical networking modules and components, visit our website at www.bostonati.com.

To obtain additional technical information or to place an order for this product, please contact us at:

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