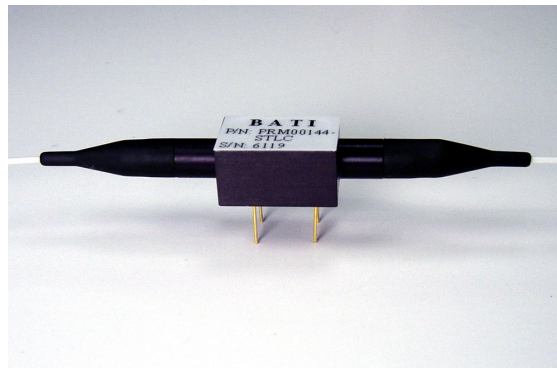


# Acrobat™ Dynamic Polarization Rotators

## Solid-state, High-speed Polarization Rotators

Boston Applied Technologies' Acrobat™ Polarization Rotator provides a continuous rotation of any polarized light with the applied control voltage. The device acts as a half-wave plate with a rotating axis. The OptoCeramic® technology enables high-speed, solid-state polarization rotation in a compact package. Both free space and fiber in-line versions are available, with wavelength ranges from visible to mid-infrared.



### Features

- Precise, high-speed polarization rotation control
- Excellent optical performance
- 180 degree polarization rotation
- All solid-state construction in a compact package

### Applications

- Polarization switching
- Optical networks using polarization-maintaining fiber
- Polarization management
- Instrumentation
- Variable digital group delay

## Key Optical Specifications

Attributes <sup>1,2</sup>	Performance
Wavelength Range <sup>3</sup>	1310nm / 1550nm (S, C, L)
Insertion Loss	<0.6 dB
Polarization Rotation	180 degree
Response time	< 30 $\mu$ s
Input Power	< 500 mW
Return Loss	$\geq$ 55 dB
Dimensions (Approximately)	26 x 10 x 8.5 mm
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.
2. Meets or exceeds Telcordia GR1221 and GR1209 specifications.
3. Also available in visible and mid-infrared wavelength.

## Contact Information

For more information about Boston Applied Technologies' leadership in polarization control technology and other electro-optical modules and components, visit our website at [www.bostonati.com](http://www.bostonati.com).

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

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