

# Optical Power Regulator/Limiter

*High-speed, High Precision Optical Power Control*



*Based on a high performance Eclipse™ variable optical attenuator (VOA) and high precision control circuits, Boston Applied Technologies' optical power regulator/limiter provides an ultimate solution for optical power stabilizing and limiting. The unit can be set to maintain the output optical power at a constant level, countering the power fluctuations caused by PDL, channel add/drop, and other sources; the output power fluctuation level can be reduced to less than 0.01 dB. The unit can also be used as an optical power limiter to protect the down streams. It can be offered either as a stand-alone unit (as shown) or as a module for the system integration.*

## **Features**

- Precise optical power control better than 0.01 dB
- Fast response (<300ns)
- Excellent optical performance
- All solid-state construction
- Superb temperature stability

## **Applications**

- Optical power limiting
- Optical power stabilization
- Noise filtering
- Optical spark suppression
- Network protection



## Key Optical Specifications

Attributes	Performance
Wavelength Range	1310nm/1550nm (S,C,L)
Insertion Loss	< 1 dB
Dynamic Range	> 25 dB <sup>1</sup>
Polarization Dependent Loss (PDL)	0.1 dB
Response Time	< 300 ns
Input Power Range	< 500 mW
Return Loss	≥ 55 dB
Operating Temperature Range	0 to 70°C
Storage Temperature Range	-40 to 85°C

**Notes:**

1. Higher dynamic range available upon request.

### For More Information

For More information about Boston Applied Technologies' leadership in optical power 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:

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