High Speed 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 up to 0.01dB
- Fast response
- Excellent optical performance
- All solid-state construction
- Superb temperature stability

Applications

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

BATi
Boston Applied Technologies,Inc.

Key Optical Specifications

Attributes	Performance
Wavelength Range	1310nm or 1550nm (S,C,L)
Insertion Loss	< 1.2 dB
Dynamic Range	> 20 dB
Suppression Ratio	> 25 @ 1KHz (typical)
Input Power Range	< 300 mW
Return Loss	≥ 50 dB
Input/Output Connector	FC/APC[1]
Operating Temperature Range	10 to 70°C
Storage Temperature Range	-40 to 85°C
Dimensions	~134X125X50 mm

Notes:

1. The connectors may limit maximum power handling. Other connectors available.

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.

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

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