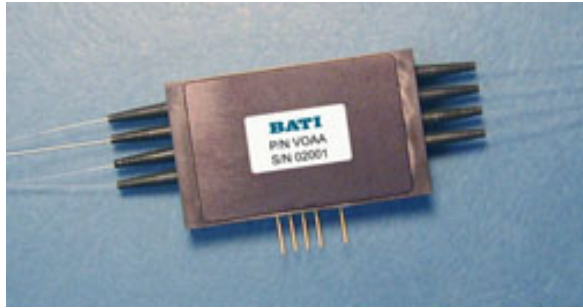


Eclipse™ Variable Optical Attenuator Arrays

High-speed Multi-Channel Attenuation Control



Boston Applied Technologies' Variable Optical Attenuator Array (ArrayVOA) is designed for multi-channel optical power adjustment. Based on OptoCeramic® electro-optic technology, ArrayVOA enables all solid state high-speed performance. BATI's ArrayVOA contains no moving parts and offers high speed, low insertion loss, low Polarization Dependence Loss (PDL), and a wide dynamic range. The standard products include 4 and 8 channel VOA arrays. BATI's advanced micro-optical design also enables hybrid integration for space and cost savings and performance enhancement.

Features

- Precise, high-speed attenuation control
- Excellent optical performance
- All solid-state construction in a compact rugged package
- Superb temperature stability
- Optical modulation capability
- Enabling hybrid

Applications

- Power control and balancing in multi-channel system
- Power equalization for system reconfiguration and optical add-drop multiplexing
- Power adjustment for receiver protection
- Modulation of optical channel information

Key Optical Specifications

Attributes ^{1,2}	Performance
Wavelength Range ³	1530-1565 nm, 1570-1610 nm
Insertion Loss	≤ 0.6dB
Dynamic Range	≥ 25 dB
Spectral Flatness @ 15 dB Attenuation	0.1 dB typical ⁴
PDL @ 1550nm and 15dB Attenuation	0.1 dB typical ⁴
Response Time (10% - 90%)	1 μs typical
Input Power	300 mW
Return Loss	≥ 55 dB

Notes:

1. Unless otherwise specified, all measurements are at 25°C.
2. Compliant to Telcordia GR1221 and GR1209 specifications.
3. 1310nm and other wavelength also available.
4. For applications attenuating a single wavelength utilizing BATI's feedback circuit.

Environmental Parameters

Operating Temperature Range	0°C to 70°C
Storage Temperature Range	-40°C to 85°C
Dimensions (for a 4 channel device)	49 x 36 x 7.6 mm

For More Information

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

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