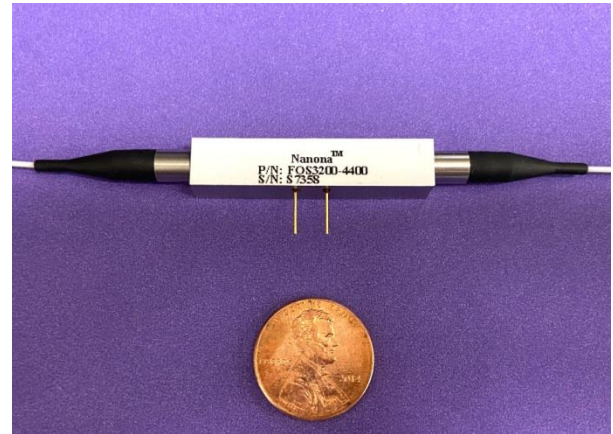


Nanona™ High Speed 1X1Polarization Maintaining Optical Switch at 1310/1550 nm

Solid-State, High-Speed Fiber Optic Switch

Boston Applied Technologies, Inc. (BATi)'s Nanona™ ultra-fast optical switch redirects the optical signal from one channel to another at time frame shorter than 60ns. The switch utilizes the breakthrough OptoCeramic™ technology and electro-optic material developed by BATi researchers for a variety of light-control applications. Combining the solid-state operation inside a free space propagation architecture which eliminates the moving parts and organic materials, the switch enables ultra-fast, reliable switching with low insertion loss and simple driver.



Features

- Excellent optical performance
- High-speed operation
- High-reliability mechanism
- All solid-state construction in a compact package
- Meets or exceeds Telcordia GR1221 and GR1209 specifications

Applications

- Optical signal switching independent from data rate and data protocol
- Network protection, restoration and performance monitoring
- Instrumentation
- Variable digital group delay
- Medical, aerospace, and other manufacturing and industrial industries



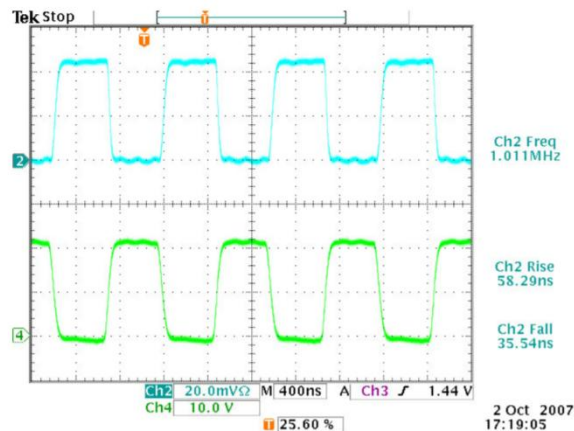
FOS3200, 3201-4400 Key Optical Specifications

Attributes ¹	Performance
Wavelength Range ²	1310/1550 nm
Insertion Loss ³	< 1.0 dB
On-off Ratio	> 20 dB
Extinction Ratio (ER)	>18 dB
Response Time	< 60 ns
Repetition Rate	up to 1.0 MHz
Input Power Range	< 300 mW
Return Loss	≥ 45 dB
Dimensions (Approximately)	63 x 11x 9 mm
Operating Temperature Range	0 to 70°C
Storage Temperature Range	-40 to 85°C

Notes:

1. Unless otherwise specified, all measurements are at center wavelength and at 25°C
2. Also available in visible and mid wave-infrared regime
3. Measured without connectors. Each connector may introduce up to IL 0.3 dB higher, RL 5 dB lower, and ER 2 dB lower. Connector key is aligned to slow axis for PM version

Speed Test Data



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:

Phone: 1-781-935-2800

Fax: 1-781-935-2860

E-mail: sales@bostonati.com

Boston Applied Technologies, Incorporated, 1 Merrill Street, Woburn, MA 01801 USA. Any information contained herein shall legally bind BATI only if it is specifically incorporated into the terms and conditions of a sales agreement. This product information is subject to change without notice.