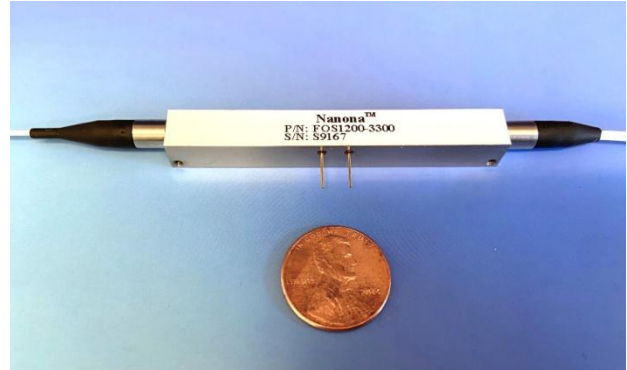


1X2 Nanona™ High Speed & Low Loss Optical Switch, 1550 (1310)nm

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 speeds faster 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

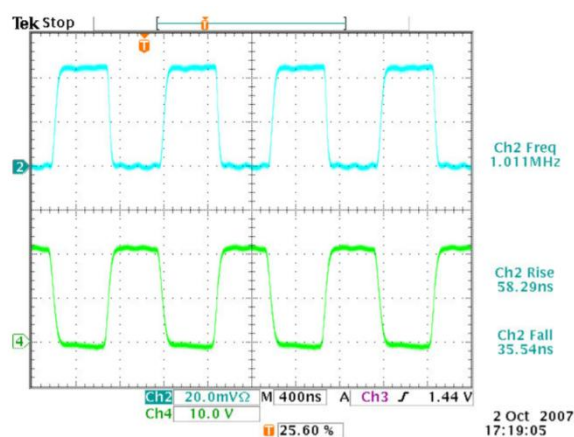
FOS1200(01)-3300 Key Optical Specifications

Attributes ¹	Performance
Wavelength Range ²	1550/1310±30nm
Insertion Loss ³	< 1.3 dB, typical 1.0 dB
Cross Talk	> 20 dB
Polarization Dependent Loss	<0.2 dB
Polarization Mode Dispersion	< 0.1 ps
Response Time	< 60 ns
Repetition Rate	Up to 1MHz
Input Power Range	< 300 mW
Return Loss	≥ 55 dB
Dimensions (Approximately)	63 x 11x 9mm
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-infrared wavelength
3. Measured without connectors. Each Up to 0.3dB extra insertion loss, and RL 5 dB lower for each connector added.
4. Higher dynamic range available upon request

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

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