Nanona™ High Speed 2X2 Polarization Maintained Optical Switch

Solid-state, High-speed Fiber-optic

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® 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 relatively low insertion loss and simple driver.

Features

- Excellent optical performance
- High-speed operation
- High-reliability mechanism
- All solid-state construction in a compact package

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

BATi
Boston Applied Technologies, Inc.

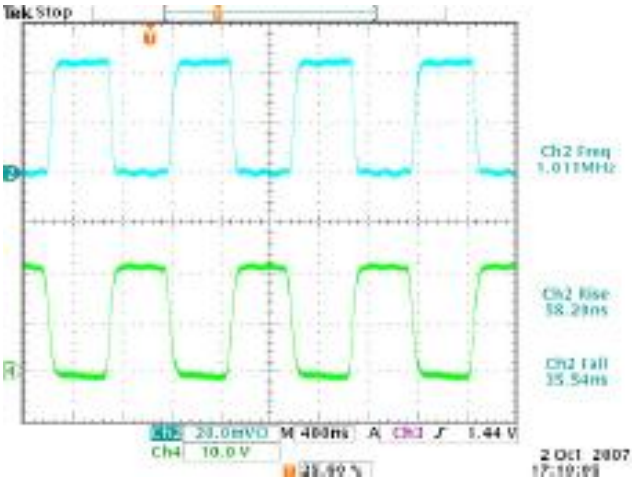
FOS2200(1)-4400 Key Optical Specifications

Attributes[1]	Performance
Wavelength Range[2]	1310nm or 1550nm
Insertion Loss[3]	< 1.2 dB
Cross Talk	> 20 dB
Extinction Ratio (ER)	>18 dB
Return Loss	≥ 45 dB
Response Time	< 60 ns
Repetition Rate	Up to 1MHz
Input Power Range	< 300 mW
Dimensions (Approximately)	39X15X8 mm
Operating Temperature Range	0 to 70°C
Storage Temperature Range	-40 to 85°C

Notes:

1. Unless otherwise specified, all measurements are at 25°C
2. Also available in visible and mid-infrared wavelength
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:

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