

NanoSpeedTM Fiber Coupled Q-Switch (4ns rise time, 400 to 2000nm, high optical power)

(Protected by U.S. patents 7,403,677B1; 6,757,101B2; and pending patents)

Product Description

The NS fiber coupled Q switch features low optical loss, ultra-fast transient time, high optical power handlining, wide temperature operation, and available for wide wavelength from 400 to 2000nm. The NS fiber optic switch is designed to meet the most demanding switching requirements of continuous operations over 25 years and non-mechanical ultra-high reliability.

The NS Series switch is controlled by 5V TTL signals with a specially designed electronic driver.



[1] Measured without connectors. For other wavelengths, please contact us.

[2] Cross talk is measured at 500kHz, which may be degraded at the higher repeat rate.

[3] It is defined as the rising or fall time between 10% and 90% of optical intensities. This value is related to the driver choice

[4] Defined at 1310nm/1550nm. For the shorter wavelength, the handling power may be reduced, please contact us for more information.

Features

- Solid-State
- High speed
- Ultra-high reliability
- Low insertion loss
- Compact

Applications

- Optical blocking
- Configurable operation
- Instrumentation

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NanoSpeedTM Q Switch

Mechanical Dimensions (Unit: mm)



Optical Path Driving Table

1x1 Optical Path	TTL Signal	
ON for normally-open, OFF for normally-close	L (< 0.8V)	
OFF for normally-open, ON for normally-close	H (> 3.5V)	
* Valid only with SWDR series driver		

Driving Board Selection

Rise/Fall Time	Repetition Rate	Order Code
4ns/500ns	20Hz	1
8ns/	20KHz	2
8ns/8ns	50KHz	3

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