

Fiber Optics

Multichannel Optical Switch

Passive Components

Collimation Packages

FiberBench

Optical Switches

Rackbox Systems

Connectors/
Termination Tools

Single Mode Fiber

Rare Earth Doped

Polarization
Maintaining Fiber

Photonic
Crystal Fiber

Multimode Fiber:
Graded Index

Multimode Fiber:
Step Index

Plastic Optical Fiber



MCS412

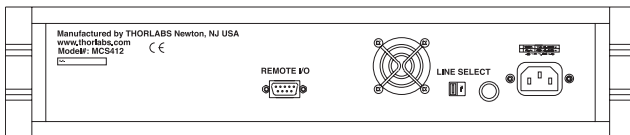
The MCS412 consists of four individual 1x2 optical switches that can be used separately as four bidirectional 1x2 switches or in conjunction with each other to form a bidirectional 1x5 optical switch.

Channel selection can be performed manually from the front panel simply by pressing one of four control switches or remotely by applying a TTL signal to the DB9 connector located on the rear panel.

The active output fiber is indicated on an array of eight LEDs on the front panel and TTL signals are available on the rear panel DB9 connector.

Features

- Bidirectional MEMS Switch Architecture
- Four 1x2 Optical Switches
- Configurable to a 5:1 Optical Multiplexer
- Remote Controlled Using Standard TTL Signals
- Simple Front Panel and Remote Control

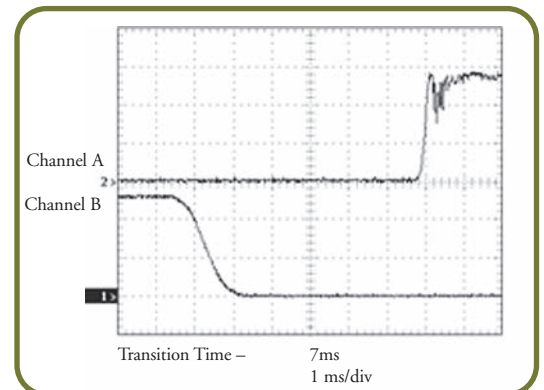
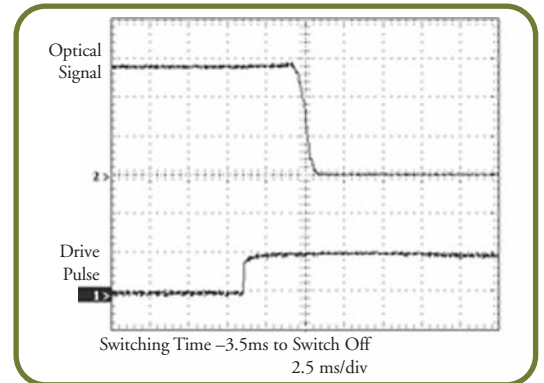
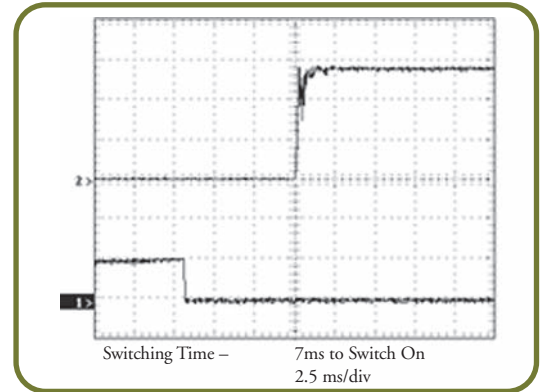


General Specifications

Number of Switches..... Four
 Switch Types..... Bidirectional MEMS
 Fiber Type Corning SMF-28 or Equivalent
 Fiber Connection FC/PC Style Fiber Optic Connector
 External Interface DB9 (TTL Logic)
 Line Voltage 115/230VAC @ 50-60Hz
 (Switch Selectable)

Performance Specifications

Parameter	Minimum	Typical	Maximum	Unit
Wavelength	1520	1550	1610	nm
Insertion Loss @ 1550nm	0.4	0.7	1	dB
Cross Talk	-40	-50	-70	dB
Switching Speed	—	7	30	ms
Return Loss	-55	-65	—	dB
Maximum Optical Power	—	—	24.8	dBm
Operating Temperature	0	—	70	°C
Repeatability	—	—	0.01	dB



ITEM#	\$	£	€	RMB	DESCRIPTION	CONNECTORS
MCS412	\$ 3,995.00	£ 2,516.90	€ 3,715,40	¥ 38,152.30	Multichannel Optic Switch	FC/PC