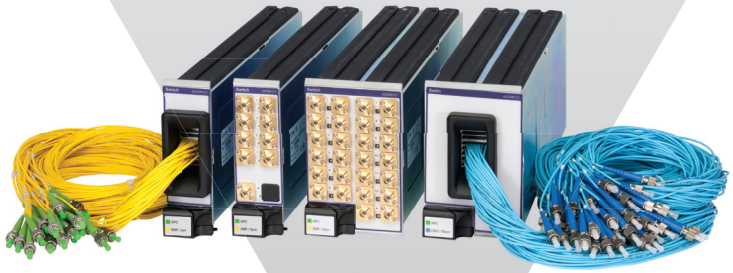

MAP Optical Switch Solutions

mOSW-C1

The mOSW-C1 Optical Switch module is the industry standard for manufacturing test automation applications and has the widest range of switch options in the industry. A member of the LightDirect Family of MAP-200 modules, the mOSW-C1 can be deployed in the compact MAP-220C 2-slot chassis or the larger 3 and 8 slot chassis systems (MAP-230B & MAP-280).

Configuration Process

All mOSW switches are configured by a single part number that completely defines the function and options of the switch.

The structure of the part number mOSW-C1**ABBCCCDE**-M**XXX**-M**YY** is as follows:

A refers to the number of independent mOSW-C1 switches in the module (1, 2, or 4)

BB refers to the switch type and defines the input type (1C, 2D[1], 2E, 2X)

CCC defines the number of outputs (from 002 to 064, increments shown in table)

D defines the termination type (B for bulkhead, P for 2m pigtails)

E defines the options (0 = no option, 1 = Power Trim option[2], H = High Directivity[3])

M**XXX** defines the fiber type, refer to Table 1

M**YY** defines the connector type, refer to Table 2

Single-width module

Double-width module

Table 1

Code	Fibre Type
M100	9µm Single Mode
M101	50µm (OM3)
M102	62.5µm (OM1)
M105[4]	100µm

Table 2

Code	Connector Type
MFP	FC/PC
MFA	FC/APC
MSC	SC/PC
MSU	SC/APC
MLC	LC/PC
MLU	LC/APC

Notes

1. D Config part numbers indicate the number of switchable output states. The total number of physical output connectors will be 2X the number of states i.e. 2Dx004 has 8 output connectors
2. Power Trim option is available only for 1C type switch with 9µm Single Mode fiber
3. High Directivity option is available only for 1C002 & 2X002 type switch with 9µm Single Mode fiber
4. 100µm fiber type is available only for Bulkhead termination

Available Configurations

mOSW-C1, 1x4 Configurations and Larger

Number of Switches	Input Type	Connectivity	Switch Fabric	Part Number
One independent switch per module	1C (Single Input)	Bulkhead	1Cx04	MOSW-C111C004BE-MXXX-MYY
			1Cx08	MOSW-C111C008BE-MXXX-MYY
			1Cx12	MOSW-C111C012BE-MXXX-MYY
			1Cx24	MOSW-C111C024BE-MXXX-MYY
		2m Pigtail	1Cx08	MOSW-C111C008PE-MXXX-MYY
			1Cx12	MOSW-C111C012PE-MXXX-MYY
			1Cx24	MOSW-C111C024PE-MXXX-MYY
			1Cx32	MOSW-C111C032PE-MXXX-MYY
			1Cx48	MOSW-C111C048PE-MXXX-MYY
			1Cx64	MOSW-C111C064PE-MXXX-MYY
	2D (Duplex)	Bulkhead	2Dx02	MOSW-C112D002B0-MXXX-MYY
			2Dx04	MOSW-C112D004B0-MXXX-MYY
			2Dx06	MOSW-C112D006B0-MXXX-MYY
			2Dx12	MOSW-C112D012B0-MXXX-MYY
		2m Pigtail	2Dx04	MOSW-C112D004P0-MXXX-MYY
			2Dx06	MOSW-C112D006P0-MXXX-MYY
			2Dx12	MOSW-C112D012P0-MXXX-MYY
			2Dx16	MOSW-C112D016P0-MXXX-MYY
			2Dx24	MOSW-C112D024P0-MXXX-MYY
			2Dx32	MOSW-C112D032P0-MXXX-MYY
	2E (Dual input, every channel)	Bulkhead	2Ex04	MOSW-C112E004B0-MXXX-MYY
			2Ex08	MOSW-C112E008B0-MXXX-MYY
			2Ex12	MOSW-C112E012B0-MXXX-MYY
			2Ex24	MOSW-C112E024B0-MXXX-MYY
		2m Pigtail	2Ex08	MOSW-C112E008P0-MXXX-MYY
			2Ex12	MOSW-C112E012P0-MXXX-MYY
			2Ex24	MOSW-C112E024P0-MXXX-MYY
			2Ex32	MOSW-C112E032P0-MXXX-MYY
			2Ex48	MOSW-C112E048P0-MXXX-MYY
			2Ex64	MOSW-C112E064P0-MXXX-MYY
Two independent switches per module	1C (Single Input)	Bulkhead	1Cx04	MOSW-C121C004BE-MXXX-MYY
			1Cx12	MOSW-C121C012BE-MXXX-MYY
		Pigtail	1Cx08	MOSW-C121C008PE-MXXX-MYY
			1Cx12	MOSW-C121C012PE-MXXX-MYY
			1Cx24	MOSW-C121C024PE-MXXX-MYY
	2D (Duplex)	Bulkhead	2Dx02	MOSW-C122D002B0-MXXX-MYY
		Pigtail	2Dx04	MOSW-C122D004P0-MXXX-MYY
			2Dx06	MOSW-C122D006P0-MXXX-MYY
			2Dx12	MOSW-C122D012P0-MXXX-MYY
	2E (Dual input, every channel)	Bulkhead	2Ex04	MOSW-C122E004B0-MXXX-MYY
		Pigtail	2Ex08	MOSW-C122E008P0-MXXX-MYY
			2Ex12	MOSW-C122E012P0-MXXX-MYY
			2Ex24	MOSW-C122E024P0-MXXX-MYY

Select the required options for E, fiber type XXX & connector type YY

Bold indicates double-width modules

Available Configurations Continued

mOSW-C1, 1x2 and 2x2 Configurations

Number of Switches	Input Type	Connectivity	Switch Fabric	Part Number
One independent switch per module	1C	Bulkhead	1x2	MOSW-C111C002B0-MXXX-MYY
	2X		2x2	MOSW-C112X002B0-MXXX-MYY
Two independent switches per module	1C		1x2	MOSW-C121C002B0-MXXX-MYY
	2X		2x2	MOSW-C122X002B0-MXXX-MYY
Four independent switches per module	1X		1x2	MOSW-C141C002B0-M100-MYY
	2X	Pigtail	2x2	MOSW-C142X002P0-M100-MYY
Eight independent switches per module	1C		1x2	MOSW-C181C002P0-M100-MYY

Additional Test Reports for Single-Mode Versions

Description	Part Number
Bidirectional test report for single switch with 4 to 12 ports	MBIDTEST1-012
Bidirectional test report for dual switch with 4 to 12 ports	MBIDTEST2-102
Bidirectional test report for single switch with 13 to 24 ports	MBIDTEST1-024
Bidirectional test report for dual switch with 13 to 24 ports	MBIDTEST2-024

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