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FREECALL 1800 680 680

MAP Small Channel Count Switch



For stand-alone applications, the MAP Small Channel Count Switch may be used as a benchtop

Key Features

- Low insertion loss (IL) < 0.8 dB
- Low polarization dependent loss (PDL) 0.08 dB
- High return loss (RL) > 55 dB
- Up to 8 switches per cassette

Applications

- Dense wavelength division multiplexing (DWDM) channel testing
- Amplifier characterization
- Bit error rate (BER) testing
- Signal routing

Safety Information

- This cassette, when installed in a MAP chassis, complies to CE requirements plus UL3101-1 and CAN/CSA-C22.2 No. 1010.1.

The Multiple Application Platform (MAP) Small Channel Count Switch is a single width cassette that is able to accommodate a number of switches with varying channel counts.

The switch redirects input light by an optical prism or mirror into a selected output channel. The switch is bidirectional, transparent to signal format, available in both single-mode (SM) and multimode (MM) versions.

Special density and functionality cassettes can be made available on a custom order basis.

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Common Specifications

Parameter	Specifications	
	Single-Mode (SM)	Multimode (MM)
Insertion loss (IL) ¹		
1 x 2	≤ 0.8 dB	≤ 0.8 dB
2 x 2	≤ 1.0 dB	≤ 1.1 dB
Return loss (RL) ²	> 55 dB	> 20 dB
Polarization dependent loss (PDL) ²	≤ 0.1 dB	N/A
Repeatability	± 0.05 dB	± 0.02 dB
Crosstalk	< -60 dB	< -35 dB
Optical input power	300 mW	300 mW
Switching speed	8 ms	10 ms
Lifetime	> 10 million cycles	
Operating temperature	0 to 50 °C	
Storage temperature	-30 to 60 °C	
Humidity	90 % relative, non-condensing	
Dimensions (W x H x D)	4.06 x 13.24 x 39.5 cm	
Weight	1.1 kg maximum (varies with configuration)	

1. Unless otherwise specified, all specifications at start of life at 23 °C ± 3 °C and 45 % RH ± 5 %.

2. At 23 °C ± 3 °C at specified test wavelengths (850/1310 MM or 1310/1550 SM) and optical input power of -25 to 0 dBm, excluding connectors.

3. Drift of any channel at ± 3 °C deviation of ambient temperature without changing channels (excludes repeatability).

4. Repeatability as per Telcordia GR-1073-CORE (100 cycles, max-min/peak-to-peak).

Ordering Information

For more information on this or other products and their availability, please contact your local JDSU account manager or JDSU directly at 1-800-498-JDSU (5378) in North America and +800-5378-JDSU worldwide or via e-mail at customer.service@jdsu.com.

Single-Mode Sample: MAPS+2W73823FPL

MAPS+2W

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Code	Fiber Type (μm)
73	9/125, 1310/1550 nm

Code	Number of Independent Switches
1	One switch per cassette
2	Two switches per cassette
4	Four switches per cassette
6	Six switches per cassette
8	Eight switches per cassette

Code	Type of Switches
2	1 x 2
A	2 x 2

Code	Port Type
1	Bulkheads (only for one or two switches)
3	Pigtails (2 m long)

Code	Connector Type (all ports)
FP	FC/PC
FA	FC/APC
SC	SC/PC
SU	SC/APC

L

Code	Latching
L	Latching

Multimode Sample: MAPS+2W162T1FP

MAPS+2W

Code	Fiber Type (μm)
16	50/125, 850/1310 nm
26	62.5/125, 850/1310 nm

Code	Type of Switches
T	1 x 2
X	2 x 2

Code	Port Type
1	Bulkheads
3	Pigtails (2 m long)

Code	Connector Type (all ports)
FP	FC/PC
FA	FC/APC
SC	SC/PC
SU	SC/APC

Code	Latching
Blank	Non-latching

Code	Number of Independent Switches
1	One switch per cassette
2	Two switches per cassette

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