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

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.

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

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	$\leq 0.8 \text{ dB}$		
2 x 2	$\leq 1.0 \text{ dB}$	≤ 1.1 dB		
Return loss (RL) ²	> 55 dB	> 20 dB		
Polarization dependent loss (PDL) ²	$\leq 0.1 \text{ dB}$	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 mil	> 10 million cycles		
Operating temperature	0 to	0 to 50 °C		
Storage temperature	-30 to 60 °C			
Humidity	90 % relative, non-condensing			
Dimensions (W x H x D)	4.06 x 13.2	4.06 x 13.24 x 39.5 cm		
Weight	1.1 kg maximum (var	1.1 kg maximum (varies with configuration)		

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

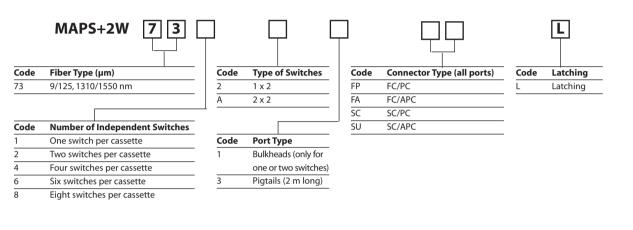




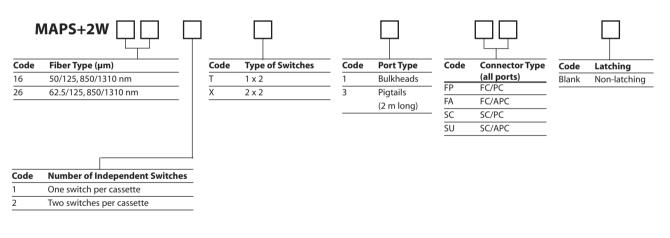
Ordering Information

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



Multimode Sample: MAPS+2W162T1FP



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