SHAPING LIGHT.

HELPING ENGINEERS AND SCIENTISTS IN ADVANCING HOW THE WORLD COMMUNICATES, SENSES AND CONNECTS

PMUX - POLARIZATION MAINTAINING MULTIPLEXER
DATA SHEET

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PM PASSIVES

PMUX - POLARIZATION MAINTAINING MULTIPLEXER

Our PMUX features a polarization maintaining AWG for channel multiplexing on the ITU grid, ensuring minimal insertion loss even in high channel count systems, while maintaining the polarization of each laser line. This stable output polarization allows for arbitrary modulation of a channel comb using Mach-Zehnder structures to emulate DWDM spectra.

FEATURES

- 19” rack mountable rugged design
- Flexible Grid application possible
- Passive design, no power or control needed

VARIANTS

High channel counts, fixed grid

If your application requires ultra-high channel counts and low insertion loss budged our AWG based multiplexer is the ideal choice. It operates fully autonomous, status info can be retrieved via USB interface.

Low to medium channel counts, flexible grid

If a lower channel count is required or a flexible grid structure is needed, PM couplers can be integrated to match your needs.

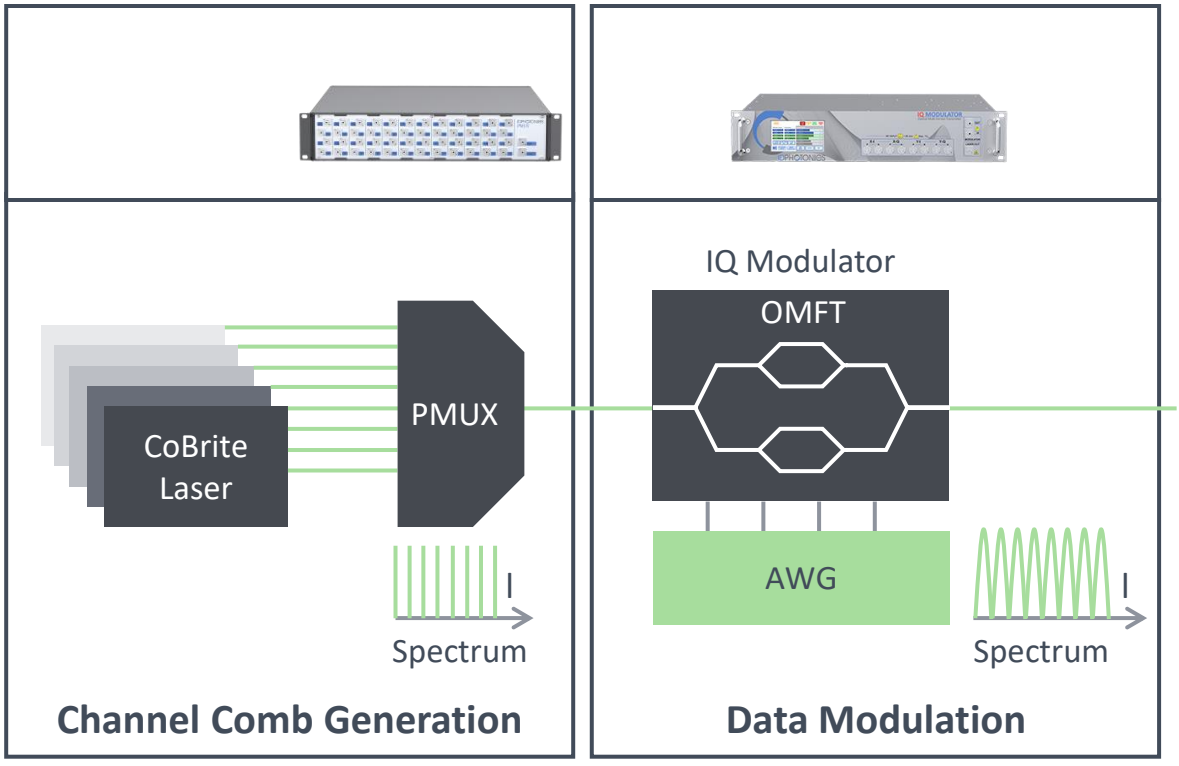
Using couplers instead of complicated tunable Filters or WSS structures to generate flexible grid scenarios offers cost savings and no effort for configuration of WSS structures while polarization preservation is delivered for free.

RoHS compliant

SPECIFICATION

PARAMETER	SPECIFICATION
Operating Temperature	0 to 50°C, non-condensing
	-20°C to 70°C, non-condensing
Storage Temperature	86 x 460 x 540mm 4 x 19 x 21 inch
Size of device (H x W x D)	None, passive
Optical Parameters	Inquire with ID Photonics for a specification of your customized design

TYPICAL APPLICATION



REQUEST A QUOTATION
Get in touch with us via info@id-photonics.com or send a request via our web form.

SCAN ME

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