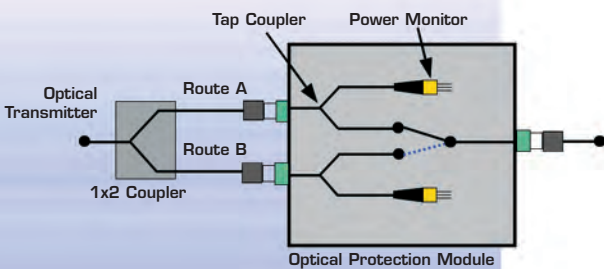


PHOTOP



NEW

Protection Switch Module

The Optical Protection Switch module provides automatic or manual switching between two fiber lines. When a loss of optical signal is detected, it will switch to the alternate path in less than 8 msec. The switch is typically used at the receiving end to switch a transmission to a spare fiber. Upon detecting a signal loss, the switch will automatically switch to a known good fiber. The switching threshold is set by the user to maximize the optical power budget available in the user's network.

Features:

- full functional block
- monitor PDs and switching included
- decision level adjustable



NEW

VOA Array Modules

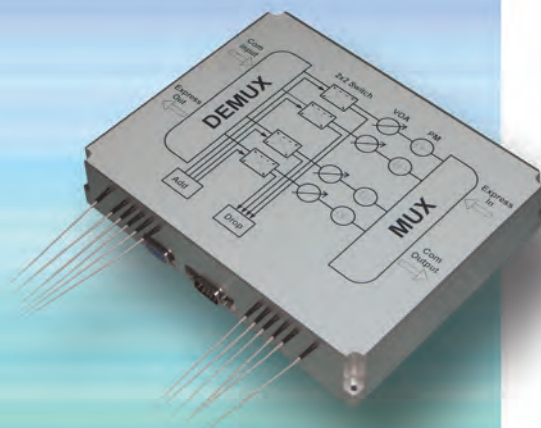
In amplified networks there is a need to control power level of individual signals. For this application Photop developed a series of modules using 4 or 8pcs Variable Optical Attenuators (VOAs) and optional monitor photodiodes. The function of the VOA is based on MEMS, which is a reliable and very fast technology. With inhouse Printed Circuit Board (PCB) capabilities, Photop can design a fully automated power control module.

Features:

- 4, 8 channels
- with or without monitor photodiode
- high speed
- customized software integration

Applications:

- channel power equalization
- optical transient suppression
- power control in configurable networks



Customized Components and Subsystems

Based on designs supplied by the customer Photop can tailor components or subsystems for specific applications. Photop can contribute it's experience in optimizing the design for mass production and to meet qualification standards like Telcordia. For test and measurement there are all kinds of equipment in place. Customer IP can be protected by separated production lines.

Features:

- EDFA modules
- multi-port OADM
- reconfigurable OADM modules
- optical power monitor
- VMUX (VOA array plus multiplexer)
- wavelength selective switch