



MEMS based Variable Optical Attenuator

The small dimensions and the extremely low power consumption make this VOA ideally suited for power management in optical networks, power balancing between amplifier stages or dynamic power control.

Features:

- power consumption $< 1 \times 10^{-9} \text{ W}$
- dimensions 5.6 mm x 16.6 mm
- Telcordia 1221 compliant
- C- or L-band
- attenuation range $> 30 \text{ dB}$

Mini Size Power Monitor

To complete the mini size family the power monitor is introduced. Even in very small EDFA modules or in space constrained WDM-systems these monitor components can be integrated. The power monitor is filter-based, so it can support a wide operating wavelength range of 1270-1350 nm and 1520-1620 nm, with an insertion loss of 0.45 dB only.

Features:

- IL as low as 0.45 dB
- wide operating wavelength range to support DWDM applications
- package dimensions 3.5 mm x 21 mm only

Mini Size Isolator

With only 23 mm x 3 mm the Mini Isolator can be integrated easily on the board, even if space is scarce. The isolator offers excellent performance over a wide operating temperature, it can even be heated up to 150°C during assembly. Photop can offer isolators compliant to RoHS 6 on request.

Features:

- operating temperature 0°C to +85°C
- IL 0.6 dB
- 1310 nm and 1550 nm versions available
- Telcordia 1221 compliant
- RoHS 6 compliant on request