



Integrated Optical Phase Modulator

Fiber-coupled electro-optical light-modulator



Features

The Integrated Optical Phase Modulator is a compact fiber-coupled electro-optical modulator that works based on MgO:LiNbO_3 and LiNbO_3 crystals. Providing fast electro-optical response, it allows phase modulation with frequencies as high as the Gigahertz range. Available modulators can handle wavelengths in the visible and the infrared spectral range. Standard-designed modulators use polarization maintaining single mode fibers to couple the light in and out. They may also be configured with fiber systems or connectors of different types. Each modulator may be fitted with an analog amplifier unit on special request.

Benefits

- Application in the VIS or IR spectrum
- High modulation frequencies
- Single mode fiber coupling
- Low modulation voltage

Applications

- Analog and digital modulation
- Sideband generation
- Interferometric metrology
- Optical coherence tomography

Specifications

Dimensions (L x W x H, housing without fiber connectors)	96 mm x 19 mm x 10 mm
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