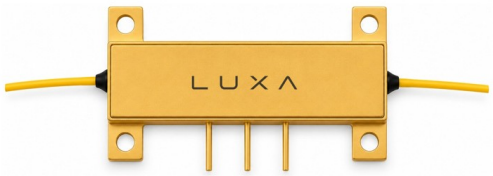
1550 nm Series Multifunction Integrated Optical Waveguide Modulator

Modulators

The multifunction integrated optical waveguide combines optical splitting and modulation in the 1550 nm band. The pigtail and polarization characteristics are relevant to interferometric systems.



Technical specifications

Operating wavelength band (nm)	1550±20
Insertion loss (dB)	≤3.5
Loss variation over the full temperature range (dB)	≤0.3 (Perfect)/ ≤0.5 (General)
Splitting ratio (%)	50±1.5 / 50±2.0
Splitting ratio variation over the full temperature range (%)	≤2 / ≤3
Return loss (dB)	≤-55
Residual amplitude modulation	≤5/10000 / ≤2/1000
Pigtail polarization crosstalk (dB)	≤-30 (Full temperature range ≤-30 / ≤-27)