10 Gbps Intensity Modulator

Modulators

This lithium niobate intensity modulator converts an electrical drive signal into optical intensity modulation. The operating wavelength and optical interface govern source selection.



Technical specifications

Operating wavelength (nm)	1550 ±10
Insertion loss (dB)	≤ 5
Maximum optical input power (mW)	100 (APE) 50 (Ti)
On/Off Extinction ratio (dB)	≥ 20 @ DC
Polarization extinction ratio (dB)	≤ -20
Optical return loss (dB)	≤ 5
Half-wave voltage (V)	≤ 5
Bandwidth (S21) (GHz)	10 / 20 / 30