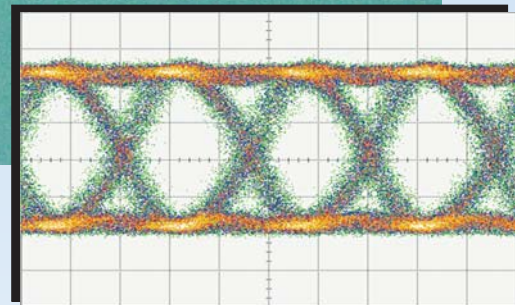
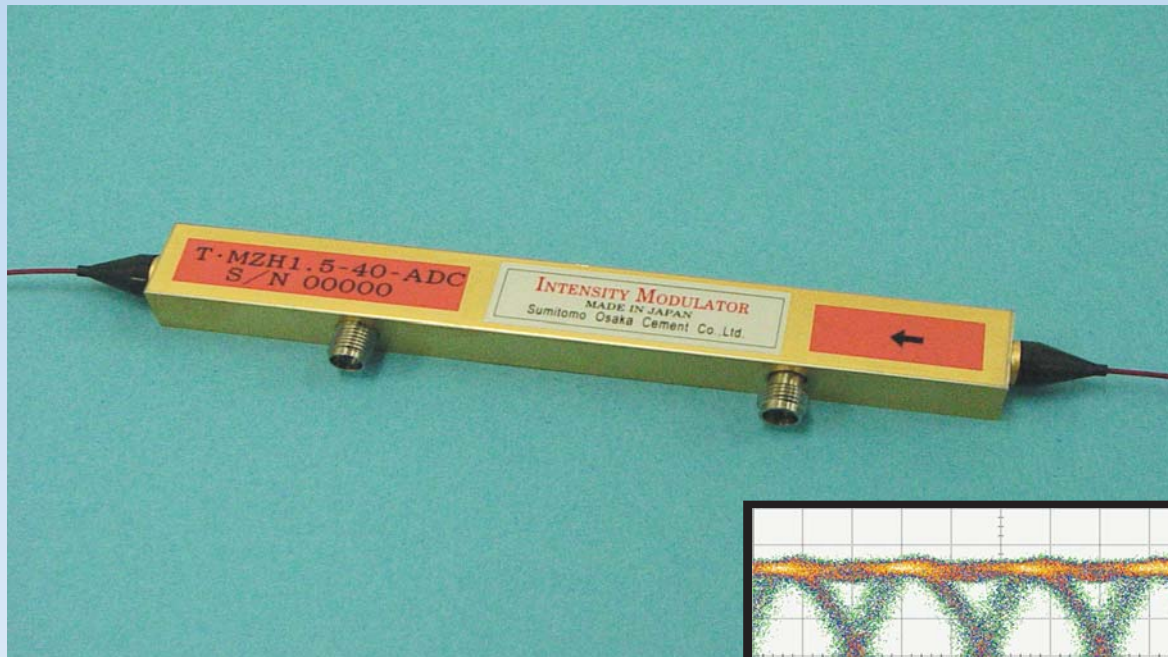


True 40Gb/s LiNbO₃ Intensity Modulator

T.MZH1.5-40PD-ADC (Single Drive)

T.DEH1.5-40PD-ADC (Dual Drive)

SOC 40Gb/s modulators feature high bandwidth and low drive voltage. Both single and dual drive models are available with a built - in monitor photodiode.



Eye diagram@40Gb/s

Parameter

Operating Wavelength

Insertion Loss

Drive Voltage* 1

Optical Bandwidth

ON/OFF Extinction Ratio

Monitor PD Sensitivity

Monitor PD Tracking

*1 Drive Voltage@40Gb/s (reference)

* 2 Measured by driving one electrode only

Specification

1.55 μ m

\leq 6.0dB

\leq 5.0Vp-p@1GHz (single drive model)

\leq 5.5Vp-p@1GHz (dual drive model)* 2

\geq 30 GHz

\geq 20dB@DC

\geq 0.02A/W

\leq 1dB

\leq 5.5Vp-p (single drive model)

\leq 6.0Vp-p (dual drive model)