

40 Gbit/s LN Modulator

Preliminary Specifications

Model	T.MZH1.5-40-ADC	T.DEH1.5-40-ADC
Operating Wavelength	C/L band	C/L band
Insertion Loss	$\leq 6.0\text{dB}$	$\leq 6.0\text{dB}$
RF Port Drive Voltage ⁽¹⁾	$\leq 6.5\text{V}$	$\leq 6.0\sim 6.5\text{V}$
Optical Bandwidth ⁽²⁾	$\geq 30\text{GHz}$	$\geq 30\text{GHz}$
On/Off Extinction Ratio	$\geq 20\text{dB}$	$\geq 20\text{dB}$
Optical Return Loss	$\geq 30\text{dB}$	$\geq 30\text{dB}$

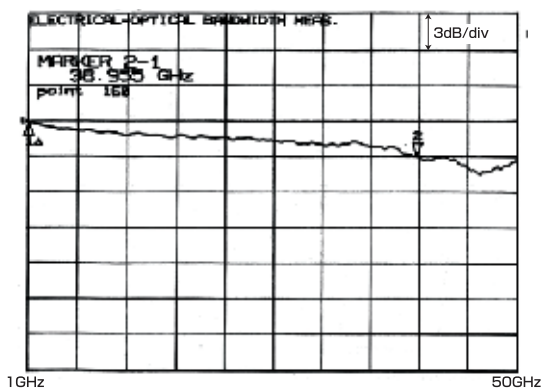
1) Measured at 26GHz In case of complementary drive $\leq 3\sim 3.25\text{V}$

2) 3dB down(1GHz reference)

3) Option : Internal Monitor PD available

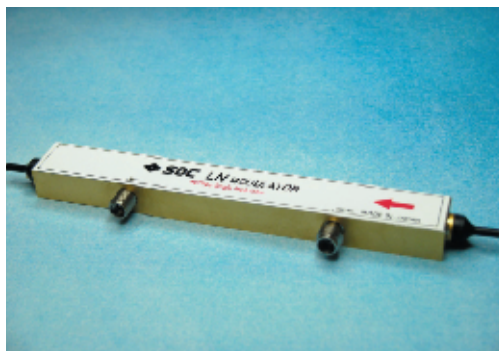
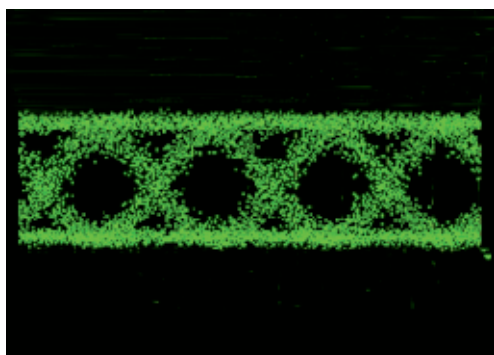
Typical Data

● Optical Bandwidth

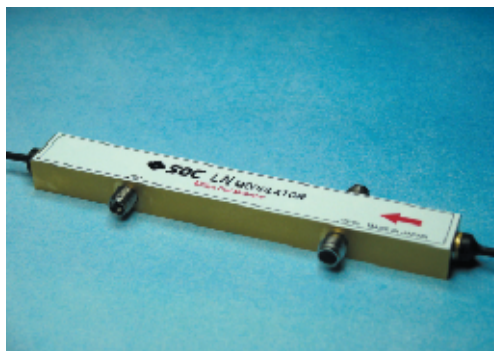


● Eye Pattern of 40Gbps NRZ Signal

PRBS= $2^{31}-1$ /Extinction Ratio:11dB



T. MZH1.5-40-ADC



T. DEH1.5-40-ADC