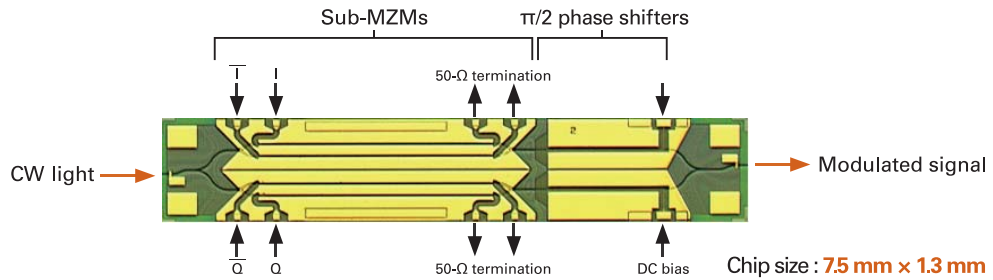


# Compact InP DQPSK modulator

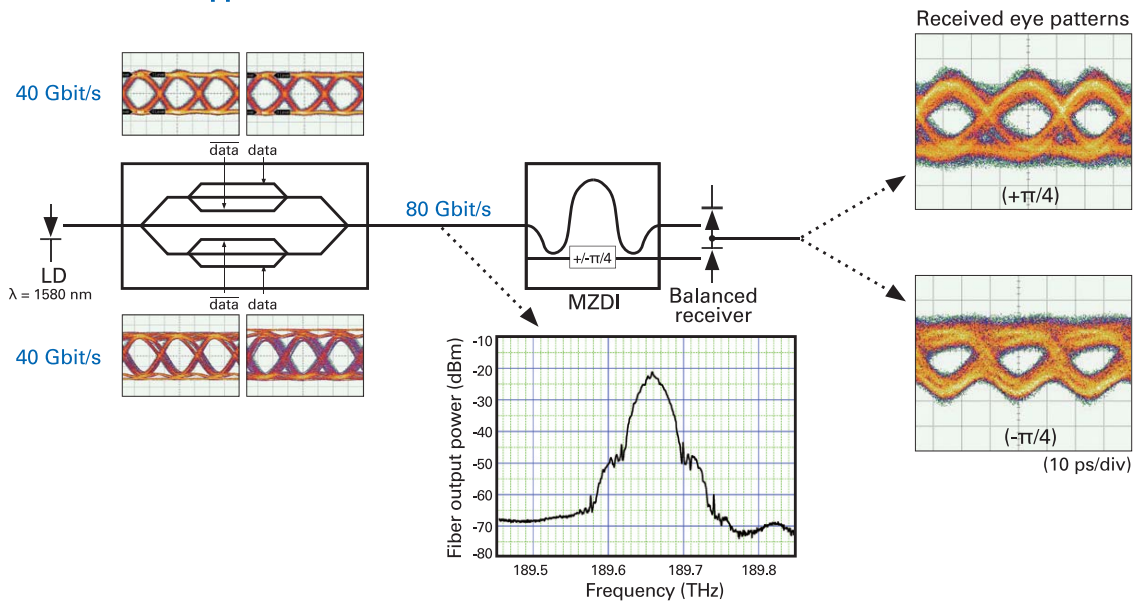
NTT Photonics Laboratories have developed compact 80Gbit/s DQPSK modulator using InP technology.

## InP-based DQPSK modulator

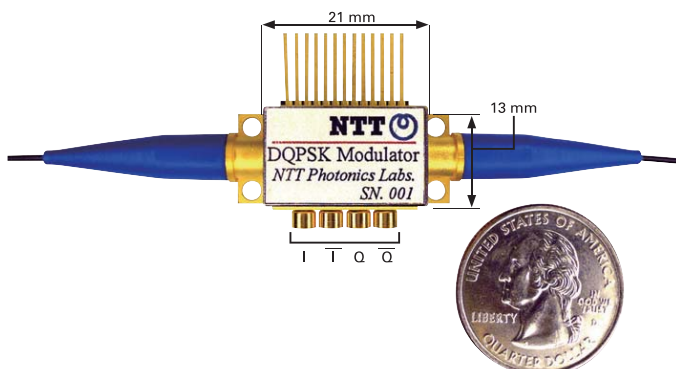


## 80Gbit/s DQPSK modulation

Driving voltage : 3 V<sub>pp</sub> (V <sub>$\pi$</sub> ) for each



## InP DQPSK modulator module



Small package : 21 x 13 x 9.6 mm  
 RF-connectors : GPPO  
 Built-in termination & bias tee

Mo.3.C.4 Full L-band 40-Gbit/s Operation of Compact InP-DQPSK Modulator/Module with Low Constant Driving Voltage of 3.5V<sub>pp</sub>  
 Kikuchi, Nobuhiro et al.