

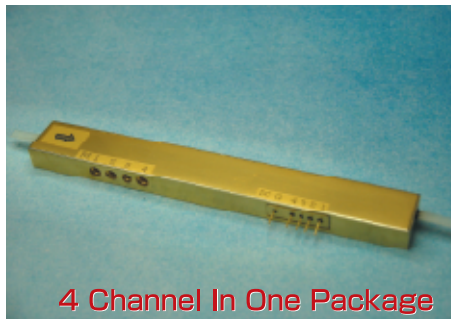
# LN Modulator for Metro

## 4ch 2.5Gbit/s LN Modulator

### Specifications

Model	<b>T.MZ4P1.5-2</b>
Operating Wavelength	C/L band
Insertion Loss	≤6.0dB
Drive Voltage	≤3.5V(@2.5Gbps)
Optical Bandwidth <sup>(1)</sup>	≥2GHz
On/Off Extinction Loss	≥20dB
Optical Return Loss	≥30dB

1) 3dB down(130MHz reference)



4 Channel In One Package

## Short Package Dual Electrode 10Gbit/s LN Modulator

### Specifications

Model	<b>T.DEH1.5-10-PD</b>
Operating Wavelength	C/L band
Insertion Loss	≤6.0dB
Drive Voltage <sup>(1)</sup>	≤4.8V(@10Gbps)
Optical Bandwidth <sup>(2)</sup>	≥8GHz
On/Off Extinction Loss	≥20dB
Optical Return Loss	≥30dB

1) In case of complementary drive ≤2.4V 2) 3dB down(1GHz reference)



Small Package

77(L)×12(W)×9(H)mm (excluding boots)

# LN Modulator for LH/ULH

## Pulse/Data Integrated LN Modulator

### Specifications

Model	<b>T.MMXH1.5-10</b>	
Operating Wavelength	C/L band	
Insertion Loss	≤7.0dB	
On/Off Extinction Loss	≤20dB	
	<b>RZ part</b>	<b>NRZ part</b>
Optical Bandwidth <sup>(1)</sup>	—	≥9GHz
Drive Voltage	≤6.0V(@5GHz)	≤7.0V(@10Gbps)

1) 3dB down(130MHz reference)



## Phase Modulator Integrated LN Intensity Modulator

### Specifications

Model	<b>T.MPXH1.5-10</b>	
Operating Wavelength	C/L band	
Insertion Loss	≤6.5dB	
On/Off Extinction Loss	≤20dB	
	<b>IM part</b>	<b>PM part</b>
Optical Bandwidth <sup>(1)</sup>	≥8GHz	—
Drive Voltage	≤6.5V(@5GHz)	≤10.5V(@10GHz)

1) 3dB down(130MHz reference)

