

# LN MODULATORS

## 10Gbit/s Low Drive Voltage LN Intensity Modulator (Single Electrode Model)

### Specifications

Model	T-MXH1.5-10PD-ADC-LV (Zero Chirp)	
Operating Wavelength	1.55μm	
Insertion Loss	≤6.0dB	
Driving Voltage @1kHz	≤3.0V	
Driving Voltage(V <sub>π</sub> )@10Gbps	≤3.0V(Typ.2.4V)	
Optical Bandwidth*1	≥8GHz	
ON/OFF Extinction Ratio	≥20dB	
Polarization Extinction Ratio	≥20dB	
Optical Return Loss	≥30dB	
Chirp Parameter α(Typ.)	-0.2~0.2	
Maximum Input Power*2	20mW	
Optical Fiber	Input	0.9mmΦPMF FC Connector
	Output	0.9mmΦPMF SC Connector
Electrical Connector	GPO Connector	
Fiber Lead Length	≥0.7m	
Operating Temperature	0°C~70°C	
Polarizer	Included	

PD Characteristics	
Monitor PD Sensitivity	0.01~0.40 mA/mW
Monitor PD Extinction Ratio	≥8dB

\*1: 3dBdown(1GHz reference)

\*2: Input polarization must be aligned to the slow axis of polarization maintained fiber before the maximum input power is inserted.

### Ordering Information

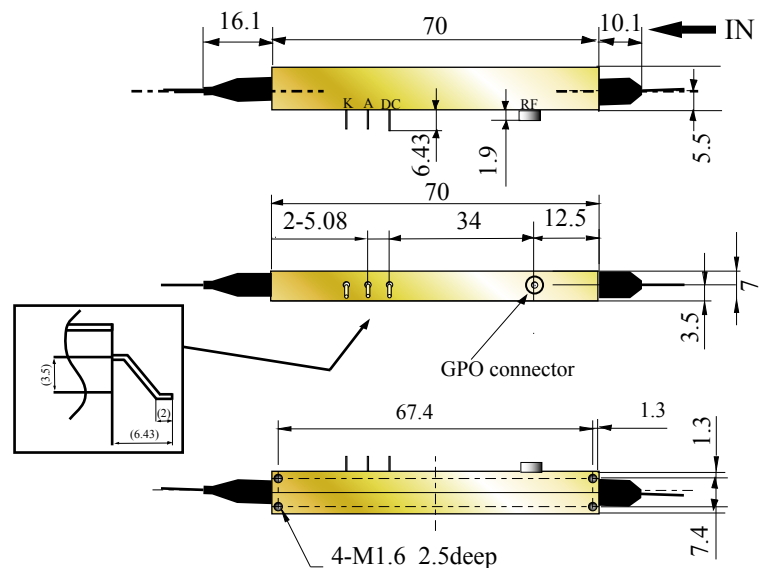
T.MXH1.5-10PD-ADC-LV-04-004

\* : Standard optical connector is shown in the specification.

If you need the different connector(s), please let us know.

\* : The polarization state of the PMF is slow axis aligned.

### Package size(Hermetically-sealed)



2012 January [Dimension:mm]  
Specifications subject to change without any notice.

Manufactured by :