

# LN MODULATORS

## 40Gbit/s Single Electrode Intensity Modulator (Zero Chirp)

### Specifications

Model	T.MXH1.5-40PD-ADC-LV	
Operating Wavelength	1.55μm	
Insertion Loss	≦7.0dB	
Driving Voltage@1kHz	≦3.5 V	
Driving Voltage(V <sub>π</sub> )@20GHz	≦4.5Vpp	
Optical Bandwidth*1	≧20GHz	
ON/OFF Extinction Ratio	≧20dB	
Optical Return Loss	≧30dB	
Maximum Input Power*2	20mW	
Chirp Parameter α(Typ. )	- 0.2~0.2	
Electrical Connector	GPPO Connector	
Optical Fiber	Input	0.9mm Φ PMF FC connector
	Output	0.9mm Φ SMF LC connector
Fiber Lead Length	≧0.7m	
Operating Temperature	0°C~70°C	
Polarizer	Included	

PD Characteristics	
Monitor PD Sensitivity	0.01~0.40mA/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

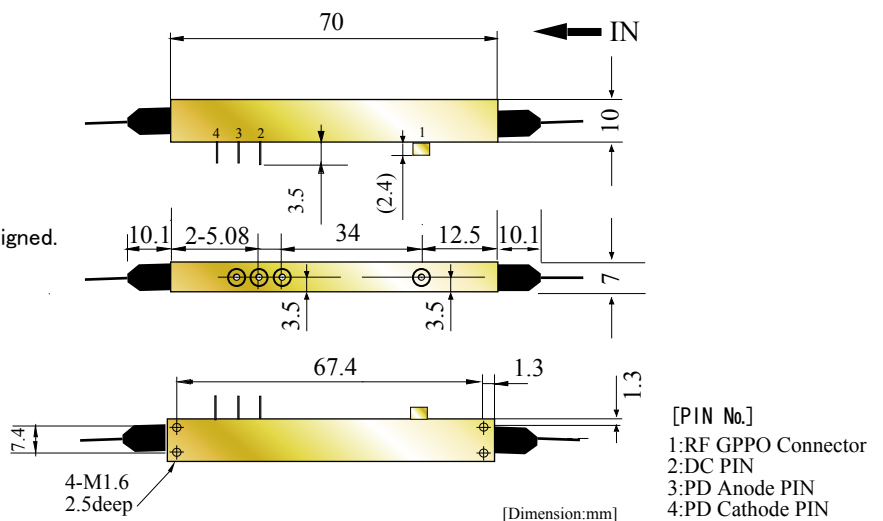
T.MXH1.5-40PD-ADC-LV-05-005

\* : 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  
 Specifications subject to change without any notice.

Manufactured by :