

# LN MODULATORS

## 40GHz Pulse Carver LN Modulator (Single Electrode Model)

### Specifications

Model	T.MXH1.5-40PD-ADC-LV	
Operating Wavelength	1.55μm	
Insertion Loss	≦ 7.0dB	
ON/OFF Extinction Ratio	≧ 20dB	
Driving Voltage@1kHz	≦ 3.0 V	
Driving Voltage(V <sub>π</sub> )@20GHz	≦ 4.5Vpp	
Optical Return Loss	≧ 30dB	
Maximum Input Power *1	20mW	
Chirp Parameter α (Typ. )	- 0.2~0.2	
Electrical Connector	GPPO Connector	
Optical Fiber	Input	0.9mmΦ PMF FC connector
	Output	0.9mmΦ 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: Input polarization must be aligned to the slow axis of polarization maintained fiber before the maximum input power is inserted.

### Ordering Information

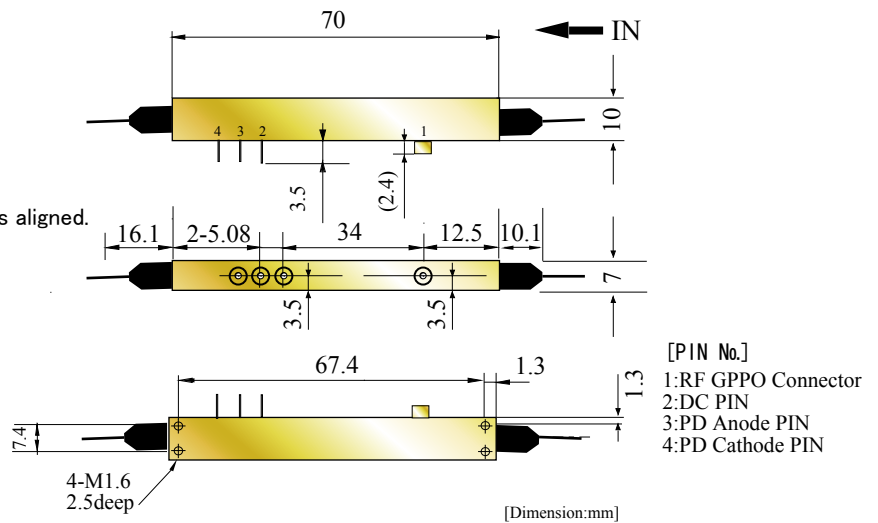
T.MXH1.5-40PD-ADC-LV-05-011

\* : 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 :