

LN MODULATORS

10Gbit/s LN Intensity Modulator (Single Electrode Model)

Specifications

Model *	T-MZH1.5-10PD-ADC (Chirped)	T-MXH1.5-10PD-ADC (Zero Chirp)
Operating Wavelength	1.55μm	
Insertion Loss	≤6.0dB(Typ.5.0dB)	
Driving Voltage@1kHz	≤4.5V	≤5.0V
Driving Voltage	≤5.0Vpp*1	≤5.5Vpp*2
Optical Bandwidth*3	≥8GHz	
ON/OFF Extinction Ratio	≥20dB	
Optical Return Loss	≥30dB	
Chirp Parameter α (Typ.)	-	-0.2 ~ 0.2
Maximum Input Power*4	≤20mW	
Electrical Connector	GPO connector	
Optical Fiber	Input	0.9mmΦPMF FC connector
	Output	0.9mmΦSMF MU connector
Fiber Lead Length	≥0.7m	
Operating Temperature	0~70°C	
Polarizer	Included	

PD Characteristics	
Monitor PD Sensitivity	0.04~0.40 mA/mW
Monitor PD Extinction Ratio	≥10dB

- *1: @10.4Gbps
- *2: @10.0Gbps
- *3: 3dB down (1GHz reference)
- *4: Input polarization must be aligned to the slow axis of polarization maintained fiber before the maximum input power is inserted.

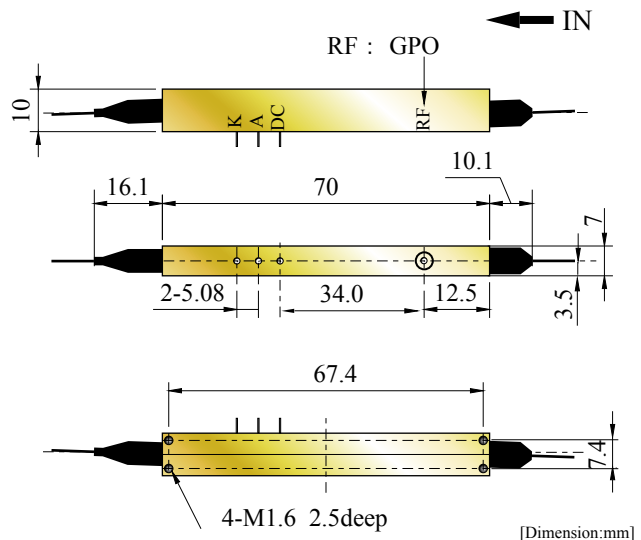
Ordering Information

T-MZH1.5-10PD-ADC-01-001
T-MXH1.5-10PD-ADC-02-002

- * : 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)



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Specifications subject to change without any notice.

Manufactured by :

SUMITOMO OSAKA CEMENT CO.,LTD.
OPTOELECTRONICS BUSINESS DIVISION