

LN MODULATORS

40Gbit/s DPSK LN Modulator

Specifications

Model	T.MXH1.5DP-40PD-ADC-LV	
Operating Wavelength	1.55μm	
Insertion Loss	≦7.0dB	
Optical Bandwidth*1	≧20GHz	
ON/OFF Extinction Ratio	≧20dB	
Driving Voltage@1kHz	≦3.0 V	
Driving Voltage(V _π)@40Gbps	≦3.5V	
Chirp Parameter α (Typ.)	-0.2~0.2	
Optical Return Loss	≧30dB	
Maximum Input Power *2	20mW	
Electrical Connector	GPPO Connector	
Optical Fiber	Input	0.9mmΦPMF FC connector
	Output	0.9mmΦSMF 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: 3dB down(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

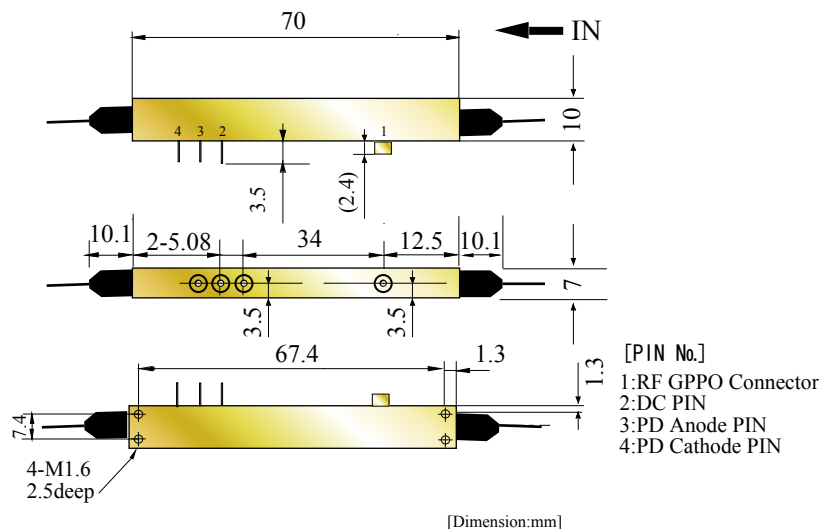
T.MXH1.5DP-40PD-ADC-05-010

* : 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 :