

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.

Distribution in the UK & Ireland



Lambda Photometrics Limited

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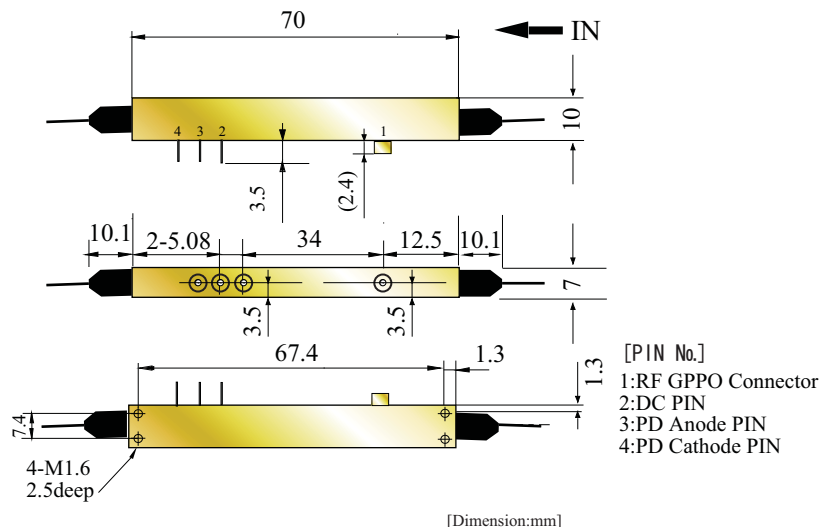
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Package size(Hermetically-sealed)



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Specifications subject to change without any notice.