

LN MODULATORS

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

Specifications

Model	T-DKH1.5-10PD-ADC	
Operating Wavelength	1.55 μ m	
Insertion Loss	≤ 5.5 dB	
Driving Voltage@1kHz*1	≤ 4.5 V	
Driving Voltage(V_{π})@10Gbps*1	≤ 6.0 Vpp	
Optical Bandwidth*2	≥ 8 GHz	
ON/OFF Extinction Ratio	≥ 20 dB	
Optical Return Loss	≥ 30 dB	
Maximum Input Power*3	≤ 20 mW	
Electrical Connector	GPO connector	
Optical Fiber	Input	0.4mm Φ PMF FC connector
	Output	0.9mm Φ SMF LC connector
Fiber Lead Length	≥ 0.7 m	
Operating Temperature	0~70°C	
Polarizer	Included	

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

*1: With the use of one electrode only.

*2: 3dB down(1GHz reference)

*3: Input polarization must be aligned to the slow axis of polarization maintained fiber before the maximum input power is inserted.

Ordering Information

T-DKH1.5-10PD-ADC-03-003

* : Standard optical connector is shown in the specification.

If you need the different connector(s), please let us know.

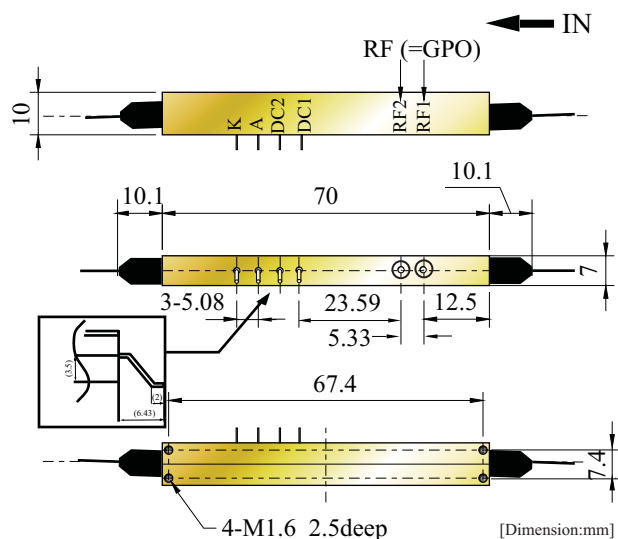
* : The polarization state of the PMF is slow axis aligned.

Distribution in the UK & Ireland



Lambda Photometrics Limited
 Lambda House Batford Mill
 Harpenden Herts AL5 5BZ
 United Kingdom
 E: info@lambdaphoto.co.uk
 W: www.lambdaphoto.co.uk
 T: +44 (0)1582 764334
 F: +44 (0)1582 712084

Package size(Hermetically-sealed)



2012 January
 Specifications subject to change without any notice.