

LN MODULATORS

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

Specifications

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

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

*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

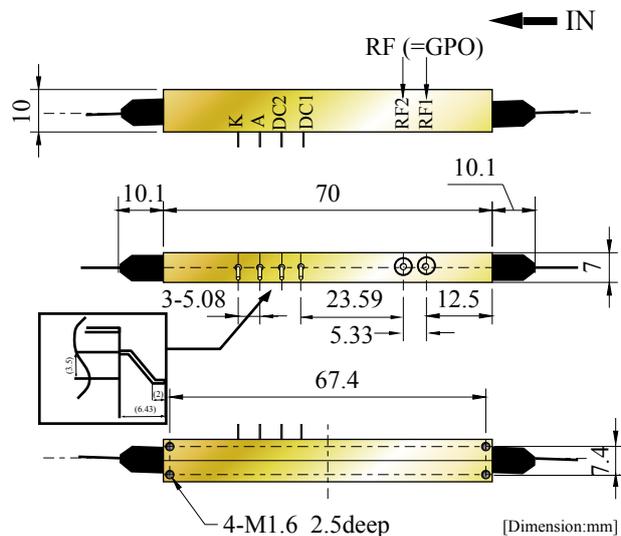
T-DKH1.5-10PD-ADC-03-003

* : 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.

Package size(Hermetically-sealed)



2012 January
Specifications subject to change without any notice.

Manufactured by :

SUMITOMO OSAKA CEMENT CO.,LTD.
OPTOELECTRONICS BUSINESS DIVISION