

LN MODULATORS

40Gbit/s Nested LN modulator(Single Electrode Model)

Specifications

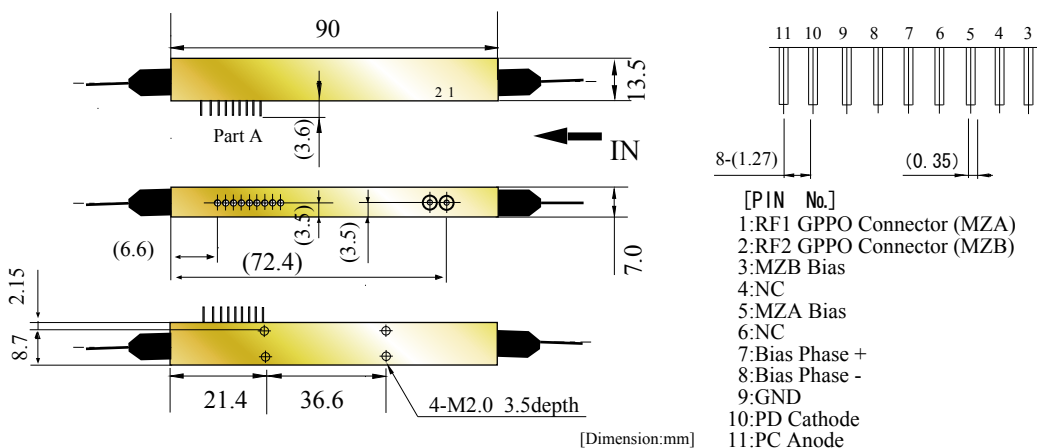
Model	T.SBXH1.5-20PD-ADC	
Operating Wavelength	1.55μm	
Insertion Loss	≦8.0dB	
Optical Bandwidth*1	≧20GHz	
ON/OFF Extinction Ratio	≧20dB	
Driving Voltage@1kHz	≦4.0V	
Driving Voltage(V π)@22Gbps	≦3.5Vpp	
Optical Return Loss	≧30dB	
Maximum RF Input Voltage	8.0Vpp	
Maximum Input Power*2	20mW	
Electrical Connector	GPPO Connector	
Optical Fiber	Input	0.4mmΦPMF FC connector
	Output	0.4mmΦPMF 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	≧5dB

*1: 3dB down(1GHz reference)

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

Package size(Hermetically-sealed)



Ordering Information

T.SBXH1.5-20PD-ADC-11-013

- * : 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.

2012 January
Specifications subject to change without any notice.

Manufactured by :

SUMITOMO OSAKA CEMENT CO.,LTD.
OPTOELECTRONICS BUSINESS DIVISION