

LN MODULATORS

100Gbps DQPSK LN Modulator (Dual Electrode Model)

Specification

Model		T·SBZH1.5-30PD-ADC-P-Z
Operating wavelength		1.55 μ m
Insertion loss		\leq 9.0dB
Drive voltage at RF port ¹⁾		\leq 4.0Vp-p
Optical bandwidth ²⁾		\geq 25GHz
ON/OFF extinction ratio @DC		\geq 20dB
Optical return loss		\geq 30dB
Maximum input power		50mW
Electrical impedance		approx.50Ohm
RF connector		V connector
Optical fiber	Input	0.9mm PMF ³⁾
	Output	0.9mm PMF ³⁾
Optical connector	Input	Optional
	Output	Optional
Fiber lead length		Min 0.7m each port
Operating temperature		10-40°C
Polarizer		Included
PD		Optional

*1: Measured at 20 GHz (single drive). DC Block Should be located at the RF port.

*2: 3 dB down measured (1 GHz reference, 3% smoothing). No dips larger than 10dB exist in the optical frequency response S21 up to 50GHz.

*3: Input and output state of polarization is aligned with slow axis of PMF.

Ordering Information

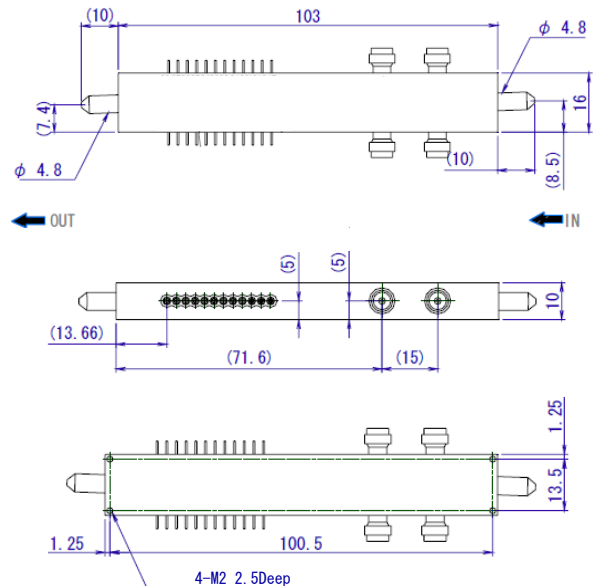
T·SBZH1.5-30PD-ADC-**P**-**Z**

Z: Optical Connectors ^{1,2}	
FC/SPC (without key ring)	FN
FC/SPC (with key ring)	FK
SC/SPC	SC
FC/APC(Angled PC)	FA
Other	O

*1: When Other 'O' is selected in the above ordering code, please specify your requirements with as much detail as possible.

*2: The Polarization state of input and output PMF is slow axis aligned.

Package size



[Dimension: mm]

This work was partly sponsored by NICT*

*NICT: National Institute of Information and Communications Technology.

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*Specifications subject to change without any notice.

Manufactured by :

 **SUMITOMO OSAKA CEMENT CO., LTD.**
OPTOELECTRONICS BUSINESS DIVISION