

LN MODULATORS

40Gbit/s DQPSK Modulator

Specifications

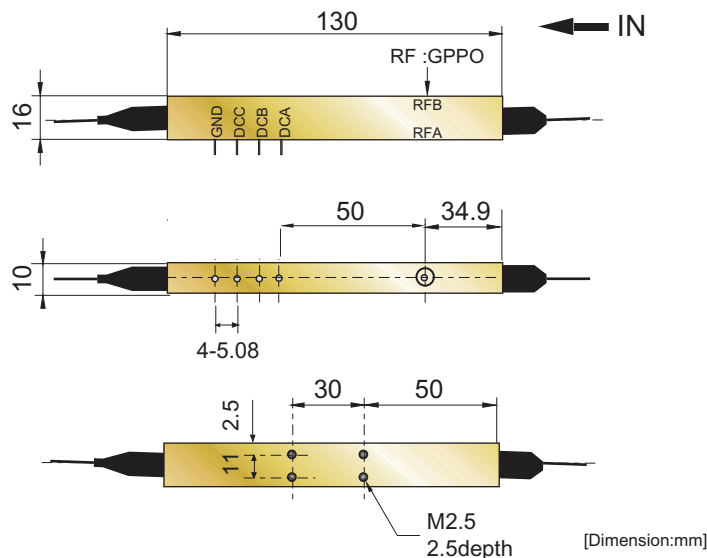
Model		T·SBX1.5-20-ADC-Y-Z
Operating wavelength		1.55μm
Insertion loss		≤7.0dB
Optical bandwidth ^{*1}		≥16.0GHz(RFA,RFB)
DC port V _π @1kHz		PortA ≤4.0V, PortB≤4.0V, PortC≤7.0V
Drive voltage(V _π) at 20Gbps		≤5.5V
Polarization extinction ratio ^{*2}		≥20dB
Optical return loss		≥30dB
Maximum optical input power ^{*3}		≥20mW
Input RF connector		GPPO connector
Optical fiber	Input	0.9mmΦPMF
	Output	0.9mmΦ PMF or SMF
Fiber lead length		Min0.7m(for both ports)
Operating temperature		-5°C~70°C
Polarizer		Output side

*1: 3dB down (1GHz reference)

*2: This specification is only available for PMF output.

*3: Input polarization must be aligned to the slow axis of polarization maintaining fiber.

Package size(Hermetically-sealed)



Ordering Information

T·SBX1.5-20-ADC - Y - Z

Y: Output Optical Fiber ^{*1}	
0.9mmφ PMF	P
0.9mmφ SMF	S
Others	O

Z: Connector ^{*1,2}	
FC/SPC (w/o key ring)	FN
FC/SPC (w/ key ring)	FK
SC/SPC	SC
FC/APC(Angled PC)	FA
Others	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/or output PMF is slow axis aligned.

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Specifications subject to change without any notice.

Manufactured by :

SUMITOMO OSAKA CEMENT CO.,LTD.
OPTOELECTRONICS BUSINESS DIVISION