LIGHTEL
True Color Components

Isolator

1064 nm Polarization Maintaining Isolator

Specifications

Parameter	Single Stage	Dual Stage
Center Wavelength (λc)	1064 nm	
Bandwidth	±10 nm	
Insertion Loss (λc, 0-50° C)	≤ 2.0 dB	≤ 3.4 dB
Typ. Insertion Loss (λc, 23° C)	≤ 1.5 dB	≤ 2.4 dB
Typ. Peak Isolation	≥ 38 dB	≥ 55 dB
Isolation (λc ±10 nm, 23° C)	≥ 30 dB	≥ 45 dB
Extinction Ratio	≥ 20 dB	
Return Loss (Input/Output)	≥ 55/50 dB	
Optical Axis	Works in both slow & fast axis or only slow axis	
Maximum Power	300 mW	
Operating Temperature	0° C ~ + 50° C	
Storage Temperature	- 40° C ~ + 85° C	
Package Dimensions	5.5 mm (Φ) x 35 mm (L)	

Note1: All values specified are without connectors.
Note2: Higher performance specifications upon request.
Note3: Fiber type PM Panda fiber.

Ordering Information

I S P M – 1 0 6 4 – ___ – ___ – ___ – ___ – ___

Center Wavelength
1064: 1064 nm

Optic Axis
S: Only works in slow axis, fast axis light light is blocked
F: Works in both slow & fast axis

Stage Type
S: Single stage
D: Dual stage

Fiber Length
A: 1 meter
S: Special

Pigtail Style
(=Package style)
B: bare fiber
L: 900 µm loose tube

Connector
0: None
1: FC/PC
2: FC/APC
3: SC/ PC
4: SC/APC
5: FC/SPC
6: SC/SPC
7: LC/UPC
8: LC/SPC
9: Special
A: FC/UPC
B: SC/UPC
C: ST

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