

# Isolator

## Polarization Insensitive Single Stage Isolator

### Specifications

Parameter	Premium	A Grade
Operating Wavelength	1310 nm, 1550 nm	
Bandwidth	± 15nm	
Isolation in Band (at 23° C)	≥ 32 dB	≥ 30 dB
Isolation in Band (0-70° C)	≥ 22 dB	≥ 20 dB
Insertion Loss (at 23° C)	≤ 0.4 dB	≤ 0.5 dB
Insertion Loss in Band(0-70° C)	≤ 0.5 dB	≤ 0.6 dB
Return Loss (Input/Output)	≥ 65/60 dB	≥ 60/55 dB
PDL	≤ 0.05 dB	≤ 0.1 dB
PMD	≤ 0.2 ps	
Maximum Power	500 mW	
Operating Temperature	0° C ~ + 70° C	
Storage Temperature	- 40° C ~ + 85° C	
Package Dimensions	5.5 mm (φ) x 32 mm (L)	

Note1: All values specified are without connectors.

Note2: Higher performance specifications upon request.

Note3: Fiber type Corning SMF-28e.

### Order Information

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Grade		Center Wavelength	Fiber Length	Pigtail Style	Connector				
P: Premium		13: 1310 nm	A: 1 meter	(=Package style)	0: None	7: LC/UPC			
A: A Grade		15: 1550 nm	S: Special	B: bare fiber	1: FC/PC	8: LC/SPC			
				L: 900 μm loose tube	2: FC/APC	9: Special			
					3: SC/PC	A: FC/UPC			
					4: SC/APC	B: SC/UPC			
					5: FC/SPC	C: ST			
					6: SC/SPC				