

# Isolator

## Polarization Insensitive Single Stage Isolator

### Specifications

Parameter	Premium	A Grade
Operating Wavelength	1310 nm, 1480 nm, or 1550 nm	
Bandwidth	± 15 nm	
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	≤ 0.7 dB
Return Loss (Input/Output)	≥ 60/55 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 35 mm (L)	

Note1: All values specified are without connectors.

Note2: Higher performance specifications available upon request.

Note3: Fiber type Corning SMF-28e.

### Ordering Information

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Grade		Center Wavelength		Fiber Length		Pigtail Style (=Package style)		Connector
P: Premium		13: 1310 nm		A: 1 meter		B: bare fiber		0: None
A: A Grade		14: 1480 nm		S: Special		L: 900 μm loose tube		7: LC/UPC
		15: 1550 nm						8: LC/SPC
								2: FC/APC
								3: SC/PC
								4: SC/APC
								5: FC/SPC
								6: SC/SPC
								9: Special
								A: FC/UPC
								B: SC/UPC
								C: ST