

Isolator

80 μ m Fiber Polarization Insensitive Mini Size Isolator

Specifications

Parameter	Single Stage	Dual Stage
Central Wavelength (λ_c)	1550 nm	
Peak Isolation (1550 nm, 23° C, all SOP)	40 dB	52 dB
Isolation in Band ($\lambda_c \pm 15$ nm, 23° C, all SOP)	≥ 28 dB	≥ 42 dB
Insertion Loss in Band (λ_c , 23° C, all SOP)	≤ 1.0 dB	≤ 1.2 dB
Insertion Loss in Band ($\lambda_c \pm 20$ nm, -5-70° C, all SOP)	≤ 1.2 dB	≤ 1.4 dB
Return Loss (Input/Output)	$\geq 55/55$ dB	
PDL (λ_c , 23° C)	≤ 0.1 dB	
PMD	≤ 0.2 ps	≤ 0.1 ps
Maximum Power	500 mW	
Fiber Type	RC80 SM 1550	
Operating Temperature	- 5° C ~ + 70° C	
Storage Temperature	- 40° C ~ + 85° C	
Package Dimensions	3.0 mm (Φ) x 22 mm (L)	

Note1: all values specified are without connectors.

Ordering Information

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Stage Type		Center Wavelength		Fiber Length		Pigtail Style		Connector
S: Single Stage D: Dual Stage		15: 1550 nm		A: 1 meter S: Special		(=Package style) B: bare fiber L: 900 μ m loose tube		0: None 7: LC/UPC 1: FC/PC 8: LC/SPC 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