

## Polarization Insensitive Isolators: Single Stage

### Performance Specifications

Parameters*	PMD	Premium	Grade A	Unit
Operating Wavelength Range	1310/1480/1550/1600			nm
Minimum Isolation (wavelength $\pm$ 20nm, 23°C, all SOP) **1310nm	$\geq 30$ $\geq 27^{**}$	$\geq 30$ $\geq 27^{**}$	$\geq 25$ $\geq 23^{**}$	dB
Minimum Isolation (wavelength $\pm$ 20nm, 0 ~ 70°C, all SOP) **1310nm	$\geq 22$ $\geq 20^{**}$	$\geq 22$ $\geq 20^{**}$	$\geq 18$ $\geq 16^{**}$	dB
Insertion Loss (wavelength $\pm$ 20nm, 23°C, all SOP)	$\leq 0.4$	$\leq 0.3$	$\leq 0.4$	dB
Insertion Loss (wavelength $\pm$ 20nm, 0 ~ 70°C, all SOP)	$\leq 0.6$	$\leq 0.5$	$\leq 0.6$	dB
Polarization Dependent Loss	$\leq 0.10$	$\leq 0.05$	$\leq 0.1$	dB
Polarization Mode Dispersion ***Add PMD Compensator component	$\leq 0.05^{***}$	$\leq 0.25$	$\leq 0.25$	ps
Optical Return Loss	$\geq 55$	$\geq 60$	$\geq 55$	dB
Maximum Optical Power	500			mW
Operating Temperature	0 ~ 70			°C
Storage Temperature	-40 ~ 85			°C
Fiber Type	Corning SMF-28			
Max. Tensile Load	5			N
Package Design	Stainless Steel Tube			
Dimension	Bare Fiber	$\varnothing 5.5 \times 30.5$		mm
	900 $\mu$ m Loose Tube	$\varnothing 5.5 \times 35$		

\*Target specifications are referenced without any connectors.

# P/N Scheme: Isolator

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