

Polarization Insensitive Isolator Array (PIIA Series)

Rev 11

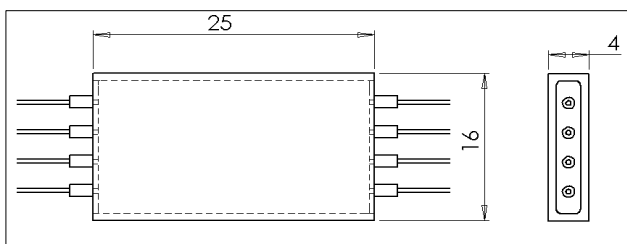
The Isolator Array contains 4, 8 or 16 isolators inside the box. It offers low insertion loss, high isolation, low temperature dependence and compact size. It is ideal for those applications which need 4 or more isolators in same location.

Specifications

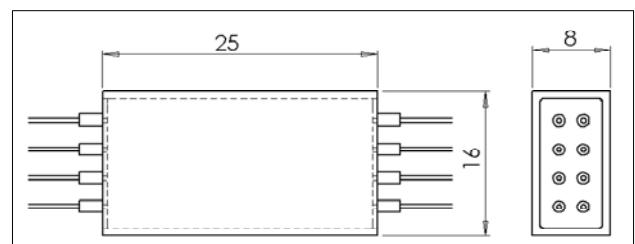
Parameter	Unit	Dual Stage Grade P
Center Wavelength (λ_c)	nm	1550
Typ. Peak Isolation(Port Nout to Port Nin)	dB	52
Min. Isolation (Port Nout to Port Nin), $\lambda_c \pm 30$ nm, 23 °C, all polarization	dB	35
Typ. Insertion Loss (Port Nin to Port Nout), λ_c , 23 °C, all polarization	dB	0.6
Max. Insertion Loss (Port Nin to Port Nout), $\lambda_c \pm 20$ nm, all polarization	dB	0.9
Min. Return Loss (Input/Output)	dB	55/55
Directivity (Port Nin to Port Min, $N \neq N$), λ_c , 23 °C	dB	55
Min. Crosstalk (Port Nin to Port Mout, $N \neq M$), λ_c , 23 °C	dB	50
Max. Polarization Dependent Loss, λ_c , 23 °C	dB	0.15
Max. Polarization Mode Dispersion	ps	0.07
Max. Optical Power (Continuous Wave)	mW	300
Fiber Type		SMF-28
Max. Tensile Load	N	5
Operating Temperature	°C	-5 to +70
Storage Temperature	°C	-40 to +85

*IL is 0.3 dB higher, RL is 5 dB lower for each connector added.

Package Dimensions



4 or 8 Isolators



16 Isolators

Ordering Information

PIIA-①①-②②-③④-⑤⑥-⑦

①①: Iso. Qty.	②: Connector Type	③: Fiber Type	④: Fiber Length
04 - 4 Isolators	1 - FC/UPC	B - 250 μ m bare fiber	1 - 1 m
08 - 8 Isolators	2 - FC/APC	L - 900 μ m loose tube	S - Specify
16 - 16 Isolators	3 - SC/UPC	R - Ribbon fiber	
	4 - SC/APC	S - Specify	
	N - None		
	S - Specify		