



Polarization Insensitive Isolator Array (PIIA Series)

Rev 11

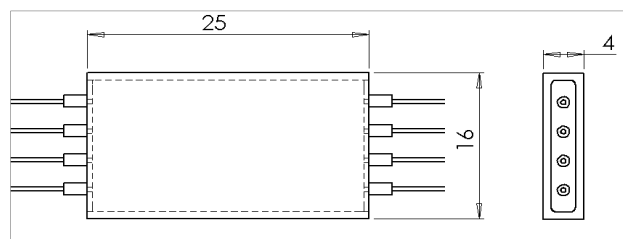
The Isolator Array contains 4, 8 or 16 isolator inside the box. It offers low insertion loss, high isolation, low temperature dependence and compact size. It is ideal for those applications which need 4 or more isolators in same location.

Specifications

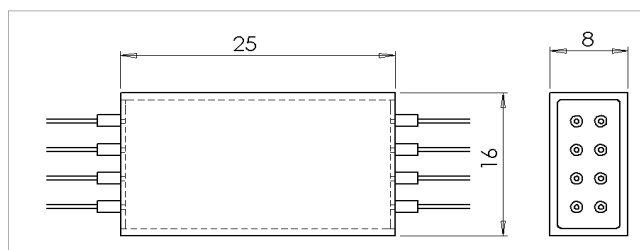
Parameter	Unit	Dual Stage Grade P
Center Wavelength (λ_c)	nm	1550
Typ. Peak Isolation(Port Nout to Port Nin)	dB	52
Min. Isolation (Port Nout to Port Nin), $\lambda_c \pm 30$ nm, 23 °C, all polarization	dB	35
Typ. Insertion Loss (Port Nin to Port Nout), λ_c , 23 °C, all polarization	dB	0.6
Max. Insertion 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-①①-②②-③-④-⑤

①①: Wavelength
55 - 1550

②②: Iso. Qty.
04 - 4 Isolators
08 - 8 Isolators
16 - 16 Isolators

③: Connector Type
1 - FC/UPC
2 - FC/APC
3 - SC/UPC
4 - SC/APC
N - None
S - Specify

④: Fiber Type
B - 250um bare fiber
L - 900um loose tube
R - Ribbon fiber
S - Specify

⑤: Fiber Length
1 - 1 m
S - Specify