



Mini Polarization Insensitive Isolator (MPI Series)

Spec Review No.: SR25120A Date: Dec. 12, 2022

The Mini Polarization Insensitive Isolator series is characterized with very compact package, low insertion loss, high isolation, high return loss and excellent environmental stability and reliability. It is specifically designed to help the system and subsystem engineers to deal with the ever demanding space and density requirement.

Key Features

- High Power
- High Reliability

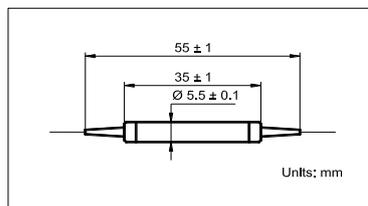
Applications

- EDFAs Systems
- Raman Amplifiers
- Vehicle Application

Specifications

Parameter	Unit	Dual Stage
Center Wavelength (λ_c)	nm	1550
Peak. Isolation, 1550 nm, - 40 to + 85 °C, all SOP	dB	35
Min. Isolation, 1550 \pm 20 nm, - 40 to + 85 °C, all SOP	dB	25
Max. Insertion Loss, 1550 \pm 20 nm, - 40 to + 85 °C, all SOP	dB	0.8
Min. Return Loss (Input/Output)	dB	55
Max. Temperature dependent loss	dB	0.3
Max. Polarization Dependent Loss, 23 °C	dB	0.2
Max. Polarization Mode Dispersion	ps	0.05
Max. Optical Power (Continuous Wave)	W	3
Max. Peak Power for ns pulse	kW	10
Max. Tensile Load	N	5
Operating Temperature	°C	- 40 to + 105
Storage Temperature	°C	- 40 to + 125

Package Dimensions



Ordering Information

MPI-①-②②-③-④-⑤-⑥-⑦-⑧

①: Stage 2 - Dual stage	②②: Wavelength 55 - 1550 nm	③: PMD 2 - Refer to above spec	④: Connector Type N - None
⑤: Fiber Type B - Corning SMF-28 S - Specify	⑥: Fiber Length 1 - 1.0 m S - Specify	⑦: Package Size 2 - Dia 5.5 x 55 mm	