



High Power Polarization Maintaining Fiber Isolator (HPMI Series)

Rev 11

Description

The High Power Polarization Maintaining Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. This fiber isolator is ideal for fiber laser and instrumentation applications.

Key Features

- Low Insertion Loss
- High Isolation

Applications

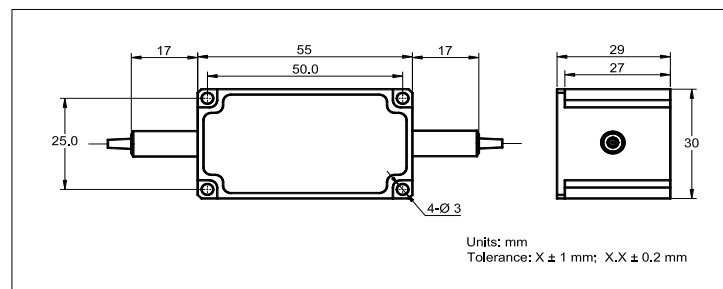
- Fiber Lasers
- Fiber Optic Instruments

Specifications

Parameter	Unit	Value
Operating Wavelength (λ_{op})	nm	850
Typ. Insertion Loss, 23 °C	dB	1.3
Max. Insertion Loss, 23 °C	dB	1.6
Typ. Peak Isolation	dB	26
Min. Isolation, λ_c , 23 °C	dB	22
Min. Extinction Ratio	dB	18
Min. Return Loss	dB	45
Max. Optical Power (Continuous Wave)	mW	500
Fiber Type	-	PM850 Panda
Operating Temperature	°C	+ 10 to + 50
Storage Temperature	°C	0 to + 60

¹IL is 0.5 dB higher, RL is 5 dB lower, and ER is 2 dB lower for each connector added. Connector key is aligned to slow axis.

Package Dimensions



Ordering Information

HPMI-①①①-②③-④-⑤

①①①: Wavelength 850 - 850 nm SSS - Specify	②: Connector Type 1 - FC/UPC 2 - FC/APC 3 - SC/UPC 4 - SC/APC N - None	③: Fiber Jacket B - 250 μ m Bare Fiber L - 900 μ m Loose Tube S - Specify	④: Fiber Length Q - 0.75 m S - Specify	⑤: Working Axis F - Fast Axis Blocked B - Both Axes Working
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