



850 nm High Power Polarization Insensitive Isolator (HI Series)

Rev 11

The 850 nm High Power Polarization Insensitive Isolator is characterized with low insertion loss, high isolation, high power handling, high return loss, excellent environmental stability and reliability. It is ideal for fiber laser and instrumentation applications.

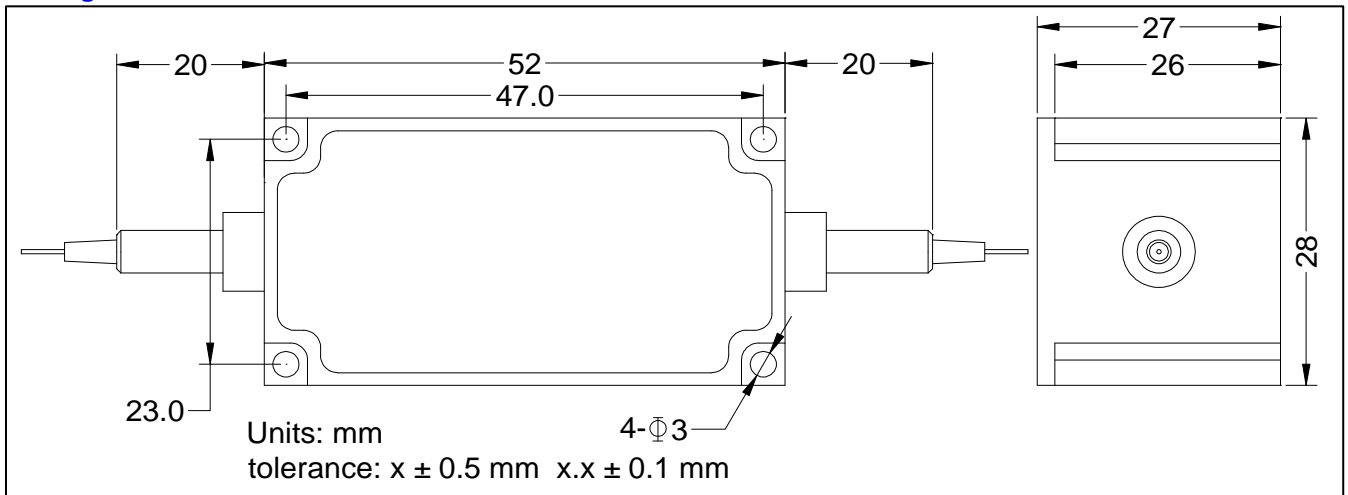
Specifications

Parameter	Unit	Grade P	Grade A
Center Wavelength (λ_c)	nm	850 \pm 10	
Max. Polarization Dependent Loss	dB	0.15	0.20
Min. Isolation, λ_c , 23 °C, all polarization states	dB	25	22
Typ. Insertion Loss, 23 °C	dB	1.3	1.5
Max. Insertion Loss, 23 °C	dB	1.5	1.8
Min. Return Loss (Input/Output)	dB	50/50	45/45
Max. Optical Power (Continuous Wave)	mW	300	
Max. Tensile Load	N	5	
Fiber Type		HI 780 SM fiber	
Package Dimension	mm	52 x 28 x 27	

*Above specifications are for device without connector.

*For devices with connectors, IL will be 0.5 dB higher, RL will be 5 dB lower.

Package Dimensions



Ordering Information

HI-①①-②-③-④-⑤

①①: Wavelength	②: Grade	③: Connector Type	④: Fiber Jacket	⑤: Fiber Length
85 - 850 nm	P - Premium	1 - FC/UPC	B - 250 μ m bare fiber	1 - 1.0 m
SS - Specify	A - A grade	2 - FC/APC	L - 900 μ m loose tube	S - Specify
		3 - SC/UPC	S - Specify	
		4 - SC/APC		
		N - None		
		S - Specify		