High Power Polarization Insensitive Isolator (HI Series)

Rev 11C

Description

The 1064 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.

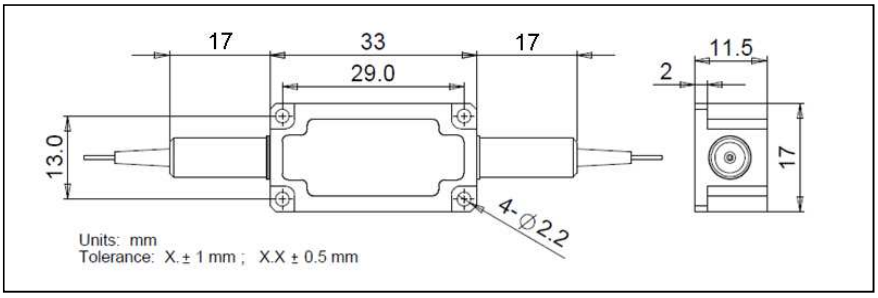
Specifications

Parameter	Unit	Value
Center Wavelength (λc)	nm	1064
Typ. Peak Isolation	dB	35
Min. Isolation, λc, 23 ℃, all polarization states	dB	28
Typ. Insertion Loss, 23 ℃	dB	1.7
Max. Insertion Loss, 23 ℃ and Input Power 300 mW	dB	2.0
Max. Insertion Loss, 23 ℃ and Input Power 1 W	dB	2.5
Max. Insertion Loss, 23 ℃ and Input Power 2 W	dB	3.0
Min. Return Loss (Input/Output)	dB	50/50
Max. Polarization Dependent Loss	dB	0.2
Max. Average Optical Power	W	2
Max. Peak Power for ns Pulse	kW	10
Max. Tensile Load	N	5
Fiber Type	-	HI 1060 Fiber
Operating Temperature	℃	+ 10 to + 50
Storage Temperature	℃	0 to + 60

[1]IL is 0.5 dB higher, and RL is 5 dB lower for each connector added.

[2]The optical power handling capability will be max 1 W when the isolator is terminated with connectors.

Package Dimensions



Ordering Information

HI-①①-②②-③-④-⑤-⑥-⑦

①①: Wavelength	②②: Handling Power	③: Connector Type		④: Fiber Jacket
06 - 1064 nm	01 - 1 W	1 - FC/UPC	3 - SC/UPC	B - 250 μm bare fiber
SS - Specify	02 - 2 W	2 - FC/APC	4 - SC/APC	L - 900 μm loose tube
		N - None	S - Specify	S - Specify

⑤: Fiber Length	⑥: Fiber Type	⑦: Power Type
1 - 1.0 m	1- HI 1060 fiber	P - Pulse Application
S - Specify	S - Specify	C - Continuous Wave