

High Power In-line Isolator

Features

High isolation and low insertion loss
Excellent environmental stability and reliability
Fiber can be customized

Applications

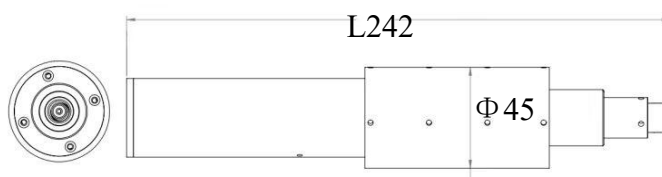
Fiber Laser
Fiber Sensor

Parameter		Specification	Unit
		PM Isolator	
Operating wavelength		1064±5; 1030±5	nm
Peak isolation		≥35	dB
Isolation in band at 23°C		≥28	dB
Reverse Power Handling		50W for 3min. max	-
Insertion loss at 23°C		≤0.7	dB
Output Beam diameter		6-9	mm
Extinction ratio		≥16 (Type B); ≥20 (Type F)	dB
Return loss		≥50	dB
Fiber type (can be customized)*		PM10/125, PM15/130, PM20/125, PM25/250, PM30/250, PM20/400	-
Input max. power handling	Average	50	W
	Pulse Peak	50	KW
M2 degradation		<15	%
Output Beam diameter		6~9	mm
Ellipticity		>90	%
Operating Temperature		-5 ~ +50	°C
Storage Temperature		-20 ~ +70	°C
Dimensions (Φ x L)		Φ 45 x L242	mm

* Backward power<10% of the Input Power.

* Ellipticity is tested under low order mode and light transmission just only through the core.

Mechanical Dimension



Ordering Information

specification	GCHPMIIT
Operating Wavelength	1064=1064nm.
Pigtail diameter	0=bare fiber
Fiber type	can be customized etc.
Power condition	C=Continue Wave, P(10)=Pulse Peak Power(10KW),etc.
Power handling	1=1W, 2=2W, 5=5W, 10=10W, 50=50W etc.
Package Size	Φ 45 x L242
Fiber length	l=1m