

High Power Expanded Beam Isolator

Features

High isolation and low insertion loss
High Beam Quality
Fiber can be customized

Applications

Fiber Laser
Fiber Sensor

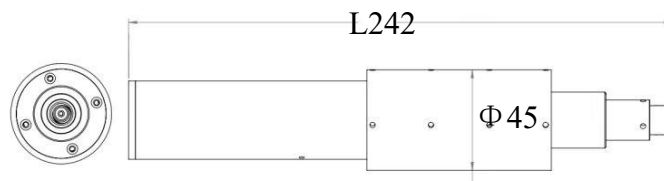
Parameter		High power expanded beam isolator, HPEI	Unit
		Specification	
Operating wavelength		1060±5	nm
Peak isolation		≥35	dB
Isolation in band at 23℃		≥25	dB
Insertion loss at 23℃		≤0.50	dB
Return loss (Input)		≥50	dB
Fiber type (can be customized)		Nufern-LMA-GDF-30/250-0.06/0.46NA	-
Armored cable diameter		Φ 10.5mm cable, can be customized.	-
Output beam diameter@1/e2		6-8	mm
10.5mm Armored Cable		2.5	m
1.8mm Teflon tube		0.2	m
Bare fiber		1.3	m
Fiber length		4	m
Input max. power handling	Average	20W	W
	Pulse peak	20, higher on demand	KW
Operating Temperature		-5 ~ +50	℃
Storage Temperature		-20 ~ +70	℃
Dimensions (Φ × L)		Φ 45 × L242	mm

* Backward power<10% of the Input Power.

* The isolator is suggested to be assembled on the heat sink with air cooled.

* The loss of the light through fiber cladding is not included in the Insertion Loss specification.

Mechanical Dimension



Ordering Information

specification	GCHPEI
Type	ISO
Operating Wavelength	1060nm.
Armored cable diameter	10.5mm, etc
Fiber type	Nufern-LMA-GDF-30/250-0.06/0.46NA etc.
Power condition	P(20)=Pulse Peak Power(20KW),etc.
Average power handling	20=20W, etc.
Package Size	Φ 45×L242
Fiber length	1=1m