High Power Expanded Beam Isolator

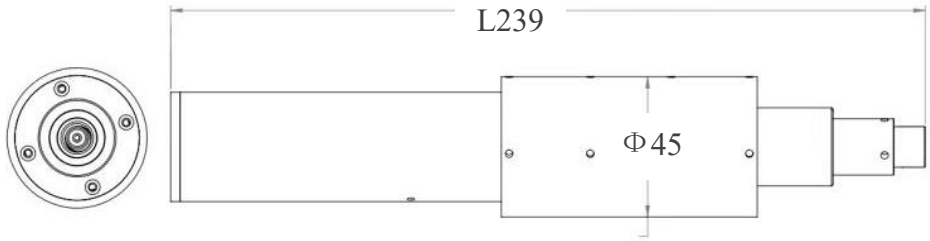
Features
Low insertion loss
High extinction ratio
High stability & Reliability

Applications
Fiber Amplifier
Fiber sensor
Fiber Laser Marking
Laboratory R&D

Parameter		High power expanded beam isolator PM isolator	Unit
Operating wavelength		1064±5	nm
Peak isolation		≥35	dB
Isolation in band at 23℃		≥28	dB
Insertion loss at 23℃		≤0.50	dB
Polarization dependent loss		/	dB
Extinction ratio		≥18(Type B),≥20(Type F)	dB
Return loss (Input)		≥50	dB
Beam Divergence @Fundamental mode		≤0.50 (Full Angle)	(mrad
Output Beam Ellipticity		≥90%	%
Fiber type (can be customized)		PM x/125, x/250, etc. (x=10um,15um,20um,30um,etc.)	-
Armored cable diameter		Φ10.5mm, cable can be customized.	-
Output beam diameter@1/e2		6-8; Others on demand	mm
Input max. power handling	Average	120	W
	Pulse peak	50	kW
Reverse Power Handling		≤20W for 1 hour. Max	W
Operating Temperature		-5 ~ +50	℃
Storage Temperature		-20 ~ +70	℃
Dimensions (℄×L)		℄45×L239	mm

* Both Single cladding fiber (SCF) and double cladding fiber (DCF) are available.
* Type B: Both axis working, Type F: Fast axis blocked.

Mechanical Dimension



HPMEI

Ordering Information

specification	GCHPMEI
Fiber length	Specify
Armored cable length	Specify
Package size	℄45×L239mm
Average power handling	10=10W, 20=20W etc
Power condition	C=Continue Wave, P(10)=Pulse Peak Power(10KW),etc
Fiber type	Specify
Armored cable diameter	10.5mm, etc
Operating wavelength	1064nm etc